Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Member Audit Bureau of Circulations*

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Number 1

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THE chemical stability of the "Tergitol" penetrants permits them to be used under conditions where many wetting agents break down. All the "Tergitol" penetrants are sufficiently soluble in commercial solutions of acids, alkalies, or salts to give rapid wetting action. These penetrants are effective in hard water, because they form water-soluble calcium and magnesium salts. They also aid in the dispersion of lime soaps, thereby reducing the formation of curds in hard water. Some specific uses in textile operations are outlined at the right.

To meet the wide variety of conditions encountered, there are *three* "Tergitol" penetrants from which you may choose the one best suited to your particular operations. It is important to base your choice on the content of dissolved materials rather than on the pH value of the solution.

"TERGITOL" PENETRANT 7 . . . a wetting agent of general utility—for use in solutions which contain a low concentration of dissolved materials; that is, less than 1.0 per cent of acids, alkalies, salts, dyestuffs, or starches. Under such conditions, it is one of the most powerful of the commercial wetting agents.

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Kier-Boiling . . . In addition to rapid wetting in tightly packed kiers, a uniform boil-out and an even bottom are produced when "Tergitol" penetrant 7 is used.

Mercerizing . . . Only 0.1 per cent of "Tergitol" penetrant 08 promotes rapid mercerizing of dry, grey stock and induces desirable shrinkage characteristics. It withstands the rigorous treatment encountered during concentration of used mercerizing liquors. *Its low price makes it particularly advantageous in this use.*

Bleaching . . . "Tergitol" penetrant 4 is stable in hypochlorite and peroxide bleach liquors and is not exhausted readily. It permits bleaching without preliminary boiling-out.

Dyeing . . . Less than 0.1 per cent (of the bath weight) of "Tergitol" penetrant 7 not only uniformly wets out the fibers in the dye bath, but also aids in evenly dispersing the dyestuff itself. Intensified colors as well as rapid and level dyeing are obtained. The use of "Tergitol" penetrant 08 in the caustic materially assists in the pasting of naphthol colors.

Scouring . . . "Tergitol" penetrants are alcohol sulfates that have water-soluble lime salts and prevent the precipitation of lime soaps. They are stable in the presence of the alkaline solutions employed in scouring.

Carbonizing . . . "Tergitol" penetrant 4 effects uniform absorption of acid or aluminum chloride by wool. It will not decompose, vaporize, or stain during the drying and baking, and does not cause injurious after effects.

Warp Sizing . . . Starches are readily wetted without lumps and dissolved in water containing "Tergitol" penetrant 7. The resultant size will impregnate the warp evenly and rapidly. In addition, the use of this penetrant makes the size more hygroscopic, thus helping to maintain desirable softness and moisture content. It remains in the size, thus assisting in the subsequent desizing and dyeing.

For further information on the "Tergitol" penetrants, address:

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The word "Tergitol" is a registered trade-mark of Carbide and Carbon Chemicals Corporation.

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Volume 140 | July 7, 1941 | Number 1

Research Agency Added to OEM

OPD Washington Bureau
July 2, 1941

An Office of Scientific Research and Development has been created by executive order of the President published today. The new organization is a part of the Office for Emergency Management of the Executive Office of the President.

The purpose of the new office is to coordinate medical and scientific research of various government agencies, to serve as a center for mobilizing scientific resources of the nation, to develop broad plans for scientific research in the defense program, and to initiate special defense research projects.

As director of OSRD, the President named Dr. Vannevar Bush, president of the Carnegie Institution of Washington, and chairman of the National Defense Research Committee which will be taken over by the new office. Dr. James B. Conant, president of Harvard University, will succeed Dr. Bush as chairman of that committee in its new place.

Other members of the new unit will be Dr. Roger Adams, head of the department of chemistry of the University of Illinois; Dr. Karl T. Compton, president of Massachusetts Institute of Technology, and Dr. Richard C. Tolman, dean of the graduate school of California Institute of Technology. Appointment of a committee on medical research will be made shortly.

An order issued July 1 by the Office of Price Administration and Civilian Supply gives priority status to repair and maintenance materials and equipment required for uninterrupted conducting of academic and industrial research.

Zinc Control Order Revised by OPM

OPD Washington Bureau
July 1, 1941

Several changes in the order imposing mandatory industry-wide control on zinc were announced today by E. R. Stettinius, jr., director of Priorities. One of the changes provides that a producer, although he must set aside a specified amount for emergency allocation by the director of priorities, may make full deliveries of minimum quantities, minimum carload lots in the case of metallic zinc, and 2,000 pounds in the case of zinc oxide or zinc dust so long as the deliveries do not interfere with the fulfillment of defense orders.

Other changes provide that customers for zinc must file affidavits with their suppliers, stating that customers are not increasing inventories to unnecessary levels; that producers must also file affidavits with the Office of Production Management stating their intention to report nonobservance of the order on the part of customers to the Priorities Division. Zinc was put under full priority control in an order issued on June 10.

Zinc Redistillers Under Priority Order

OPD Washington Bureau
July 2, 1941

Galvanizers who redistill zinc dross or skimmings are producers under the terms of the zinc priority order (M-11), E. R. Stettinius, jr., Director of Priorities, ruled today. As such, they are subject to all the terms and requirements of that order, including the requirements for setting aside cer-

—*Continued on page* 31

Potash Co. Reopens Strike-Bound Plant

Trona, Cal., July 2, 1941

Production was resumed today at the plant here of the American Potash & Chemical Company, when an estimated 60 percent of the 900 plant workers who had been on strike for fifteen weeks returned to their jobs. The men passed through picket lines of adamant strikers, but no violence occurred. According to the company no strike-breakers were hired. Returning workers are to be paid 78c. to $1.20 per hour, compared to a previous scale of 67½c. to $1.05.

Defense Relations Plan For Industry Laid Out

OPD Washington Bureau
July 1, 1941

Establishment of industry advisory committees and commodity sections to expedite the defense program is in course of progress under the direction of William S. Knudsen, director general, and Sidney Hillman, associate director general, of the Office of Production Management.

Under this plan each major industry will deal with a single division of the Office of Production Management through a commodity section instead of having to go in turn to the production, priorities, and purchases divisions. The industry advisory committees will enable the Office of Production Management to discuss problems of a particular industry with a group selected by that industry to represent it.

John D. Biggers is to be head of the commodity sections dealing with chemicals, steel, aluminum, magnesium, paper, and pulp. Supervision

—*Continued on page* 35

Chemical Manufacturing Plants Get Priorities on Equipment

OPD Washington Bureau
July 1, 1941

The chemical manufacturing industry has been assured priority status for repair and maintenance materials and equipment required for uninterrupted operation by an order issued yesterday by the Civilian Supply Allocation Division of the Office of Price Administration and Civilian Supply.

The order covers a total of twenty-six categories including also petroleum producing and refining, oil and gas pipelines, mining and quarrying, coke converting, metallurgical plants engaged in the production of raw materials, industrial and academic research, hospitals and clinics, and sanitoriums, and transportation.

The category, "production of chemicals," has not yet been defined, and it may be assumed that it comprises all divisions of the chemical manufacturing industry, including pharmaceutical chemicals. There is no specific priority for the drug industry, even in respect of relations with hospitals and the like. Individual priority requests are believed to be adequate; if and when this may not be so OPACS will try to take care of a matter.

Details of Program

This action was regarded as necessary by reason of growing demands

—*Continued on page* 60

Dr. E.K. Bolton Wins 1941 S.C.I. Medal

The Society of Chemical Industry has elected Dr. E. K. Bolton for the Chemical Industry Medal for 1941, awarded annually to a person making a valuable application of chemical research to industry.

Dr. E. K. Bolton

Dr. Bolton was born in Philadel-

—*Continued on page* 39

U.S. to Erect Eight Aluminum Plants

OPD Washington Bureau
July 1, 1941

Recommended location of eight new aluminum plants to produce an additional 600,000,000 pounds annually were announced today by the Office of Production Management. This increase will raise United States' capacity to 1,400,000,000 pounds annually. An additional 200,000,000 will be procured from Canada. Areas selected and the size of plants recommended follow:—

Arkansas—100,000,000 pounds annual capacity.

Bonneville—Grand Coulee area, two plants, one of 85,000,000 and the other of 55,000,000 pounds annual capacity.

Upper New York State—Two plants, one of 100,000,000 and the other of 50,000,000 pounds annual capacity.

Alabama—100,000,000 pounds annual capacity.

California — 70,000,000 pounds annual capacity.

North Carolina—40,000,000 pounds annual capacity.

It is contemplated at the present

—*Continued on page* 31

Niagara Alkali Combined With Electro Bleaching

The combined activities of the Niagara Alkali Company and the Electro Bleaching Gas Company, affiliated since 1915, are now operated under the name of Niagara Alkali Company. The consolidation became effective July 1. No change in management, facilities or personnel was effected.

Niagara Alkali was the first to produce caustic potash in America, and more recently pioneered in the domestic production of potash of carbonate, used in the manufacture of fine glassware. The company also produces caustic soda and paradichlorobenzene at its plant in Niagara Falls, N. Y.

Electro Bleaching Gas Company, at its adjacent plant, produces by the

—*Continued on page* 35

Price Ceilings Attacked By Congressional Farm Bloc

OPD Washington Bureau
July 2, 1941

Price-fixing legislation, designed to give legal authority to the Office of Price Administration and Civilian Supply in its efforts to hold price increases to a minimum, is expected to meet severe opposition from the agricultural bloc when it reaches Congress, probably next week. Strong criticism of OPACS Administrator Leon Henderson for his actions in placing price ceilings on a number of types of textiles and threatening to place a ceiling on cottonseed oil considerably below current levels, was voiced at a meeting of the farm bloc in the office of Senator Ellison D. Smith, of South Carolina, chairman of the senate agriculture committee yesterday.

Senator Smith contended that Mr. Henderson had acted without any authority in setting ceilings and urged that Congress take some official action to prohibit the setting of any more price limitations, particularly on agricultural products, until Congress has adopted a definite policy outlining procedure to be followed. His views were backed by the group in a resolution. Previously Senator Elmer Thomas, of Oklahoma, had introduced a bill which would prohibit the establishment of prices on any basic agricultural product or on any by-product derived therefrom below the parity price or prices fixed on the product by the Bureau of Agricultural Economics, pending the adoption by Congress of a definite formula for determining parity prices.

Speculators Assailed

Meanwhile, Mr. Henderson announced that establishment of a price ceiling on cottonseed oil will depend on whether it is found necessary after the completion of a check now being made by his organization. He recently warned that any such ceiling "will be far below present prices." Mr. Henderson continued:—

It is time that people who are speculating in essential food commodities realize the risk that they are running. It seems hard for a certain group of people to become accustomed to the idea that we do not intend to let prices get out of hand. What looked to them like a profitable ride in commodities is going to turn out to be an expensive disaster. People who have been buying certain fats and oils for speculative purposes must not be surprised when they find it necessary to sell at a price far below levels now obtaining. They have had fair warning.

Producers have benefited only to a limited extent from such speculative in-

—*Continued on page* 64

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals, oils, and drugs is currently as follows:—

July 2, 1941.	June 27, 1941.	July 5, 1940.
124.9	124.6	101.5

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Calomel Price Advanced

Price for calomel advanced 25c. late in the week, making barrels, fiber drums and kegs, 50 pounds or more, $2.95 per pound.

Mercury Compounds Higher

Prices for mercury oxide, technical, yellow and red advanced 30c. making yellow, $2.87 to $2.89 per pound; red, $3.09 to $3.11 per pound. Mercury bichloride was quoted 20c. higher at $2.24 per pound for granular, crystal and powder; $2.39 for the crystal. Mercury white, precipitated, up 30c. at $2.84 per pound.

Bids Wanted

Copper Sulphate:—20,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2634, opening July 10.

Beeswax:—400 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 5266, opening July 16.

Bauxite Ore:—600 tons; U. S. Engineer Office, First and Douglas streets, N.W., Washington; serial 221, opening July 15.

Rust Preventive Compound:—17,000 gallons; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7734, opening July 15. 40,000 pounds; Commanding General, Rock Island, Ill.; circular 2330, opening July 14.

Linseed Oil:—1,000,000 pounds; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 7656, opening July 24.

Lubricating Oil:—Supplies for aircraft engines; Materiel Division, Wright Field, Dayton; circular 2588, opening July 11.

Defense Materials Price-Trend Index

There was little change in markets for strategic and critical materials during the week ended June 28. Minor advances were reported in prices of rubber and tin and lower prices for raw silk and mica. The Bureau of Labor Statistics' strategic materials index rose fractionally from 138.9 to 139.0 percent of the August, 1939, average.

Prices were unchanged for the materials designated as critical by the Army and Navy Munitions Board, and the bureau's index remained at 114.4 percent of the prewar level.

Index numbers of market prices of strategic and critical materials are:—

(August, 1939=100)

1941.	Strategic.	Critical.
June 14	138.9*	115.0
June 21	138.9*	114.4
June 28	139.0	114.4

* Revised.

Cobalt Salts Export Control List Broadened

OPD Washington Bureau
July 1, 1941

The administrator of export control today issued schedule No. 11, dealing with the salts and compounds of cobalt. Superseding cobalt salts and compounds listed in schedule No. 1, the new list follows:—Cobaltous carbonate, cobaltic and cobaltous sulphate, cobaltic and cobaltous chloride, cobalt nitrate and cobalt oxide.

D.of C. Dallas Office Headed by C.F. Bartz

OPD Washington Bureau
July 1, 1941

Carl F. Bartz was today appointed by Secretary of Commerce Jones as manager of the Dallas regional office of the United States Department of Commerce. A native of Galveston, Mr. Bartz has been identified with the spot cotton business in Dallas and Galveston, Texas, and Seattle, Wash., and was for a period European sales representative with headquarters in Bremen, Germany.

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Chemical Prices Upped More

"Excelsior" was again the keyword of price trends in the markets for heavy and fine chemicals last week. The paint materials and fertilizer materials divisions, newly active, contributed most to the hoisting, and they had some help from the vegetable groups, chiefly the aliens.

Business operations overcrowded the short week. Keeping one eye on defense priorities and another on contractual engagements has been sufficient ocular occupation for anybody; with the newly arriving preferences for certain civilian pursuits, suppliers of sparse materials are at a loss for a third watchful eye. Distribution control is bad enough, and development of the OPM idea of simplification is eagerly awaited, so that price control may practicably be coped with if and when and where such second restriction is applied.

Prices were advanced on superphosphate, lithopone, titanium whites, carbon black, most earth and chemical dry colors, drug grades of gallic, pyrogallic, and tannic acids, permanganate of potash, anhydrous copper chloride, barium hydrate, orthocresol, anhydrous sulphate of manganese, bismarck brown, soaplye and saponification glycerins, copals, dammars, potato dextrin and starch, rice starch, tapioca flour, gambiers, quebracho and spruce extracts, gum rosin, gum and steam-distilled wood turpentines, menhaden scrap, and domestic dried blood.

Prices were reduced on cocoa butter and on cottonseed meal in the Southeast.

The REPORTER'S composite index number of prices for heavy and fine chemicals was elevated to another high, 135.1 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 95.6, compared with 91.7 at this time last year and 88.7 in 1939.

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Tankcar Owners Set Oil Carrying Parley

OPD Washington Bureau
July 2, 1941

Owners of railroad tankcars will meet in Chicago July 7, to set up an organization to coordinate efforts toward the maximum utilization of all tankcars available during the current emergency in an effort to help combat the threatened shortage of petroleum products on the East coast, caused by the recent transfer of fifty American tankers to British service. The meeting was called at the request of Ralph Budd, transportation commissioner of the National Defense Advisory Commission.

This is one of a series of steps being undertaken by defense officials in an attempt to lessen the effect of the 20 percent cut in the tanker fleet serving the Eastern seaboard. On

—*Continued on page 59*

Petroleum Export License To Canada Extended

OPD Washington Bureau
July 1, 1941

Certain existing general licenses authorizing the exportation of petroleum products to Canada and to Great Britain and Northern Ireland, the Department of State announced today, have been extended as follows:—GEA 1 and 2 to include all crude oils; GEB 1 and 2 to include all gasolines; GED 1 and 2 to include all lubricating oils and greases; and GEE 1 and 2 to include all naphtha, mineral spirits, solvents and other finished light products.

Piedmont Textile Group Has Two-Day Outing

Myrtle Beach, S.C., June 30, 1941

Some 300 members, kinfolk, and friends of the Piedmont Section of the American Association of Textile Chemists and Colorists divided their time among the surf, golf, bridge, dancing, and less active pastimes in their annual outing June 27 and 28 at the Ocean Forest Hotel and Club. Local farmers welcomed the heavy drought-breaking rains that deluged this section during the textile group's stay—and the association men, their wives, and children refused to let the weather dampen their enthusiasm.

Between showers, a golf tournament was held on the par 72 Country Club course, in which Jack Garrett, High Point, N. C., won first prize with a score of 76, and George Murphy, Asheville, took second place with a score of 80. The ladies competed in a bridge tournament Saturday afternoon, Mrs. J. A. Parker, Charlotte, N. C., winning first prize; Mrs. Thomas Larson, Charlotte, second; Mrs. Harry Curlee, Thomasville, N. C., third, and Mrs. Eugene Keefer, Ware Shoals, S. C., getting the consolidation prize.

Other convention items included dances both nights in the open-air patio of the hotel and a buffet luncheon Saturday. Winding up with a banquet Saturday night, the convention adjourned until Fall, when the section will reconvene at its annual business meeting in Pinehurst, N. C., October 31 and November 1, together with the entire national association.

Credit for the smooth running of the outing was well deserved by L. M. Boyd, of Scholler Brothers, Salisbury, N. C., chairman of the section; R. D. Howerton, of the Calco Chemical Division, American Cyanamid Company, Charlotte, N. C., the treasurer, and D. S. Quern, of the Buffalo Electro Chemical Company, Charlotte, secretary. T. W. Church, of the Highland Park Manufacturing Company, Charlotte, is vice-chairman of the section.

Mrs. Henry Gaede was in charge of the bridge tournament, and Peter Gilchrist, of the Charlotte Chemical Laboratories, Inc., arranged the golf tournament for the men.

Among the materials and services attendees were Bob Phillip, editor of *Cotton*, Atlanta; H. E. Keefer, jr., of the Ware Shoals Manufacturing Company, who acted as convention photographer; Dick Sumner, sales man-

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Paint Tax Dropped From Revenue Bill

OPD Washington Bureau
July 2, 1941

House action on the new $3,500,000,000 tax bill has been tentatively scheduled for July 15 as the ways and means committee near completion of the final makeup of the measure. At the present time the bill, with a few exceptions, follows fairly closely the lines of the original Treasury Department proposals with respect to excise taxes. Yesterday, the committee voted to exclude in the present bill proposed excise levies on paints, varnishes, putty and fillers, as well as production and manufacture of gas, barbershop and beautyshop equipment, and oil burners.

However, the committee decided to revise the basis of the present excise levy on toilet preparations to yield an additional $13,000,000 of revenue. It was also decided to impose a levy of 10 percent on manufacturers' sales of electrical appliances, including electric fans, electric signs, and cooking equipment in an effort to discourage the use of electrical energy by civilians in order to conserve as much electricity as possible for defense needs.

Rubber, another commodity vitally necessary in the defense program, will also be subjected to a 10 percent manufacturers' excise tax on all products with the exception of footwear, tires, tubes and surgical equipment.

Previously, the committee voted to increase corporate surtaxes and excess profits taxes sufficiently to yield an estimated $651,000,000 and $1,118,400,000 respectively, with an additional 10 percent levy on defense contracts to yield $65,000,000. Mandatory joint individual income tax returns, it is estimated, will yield $304,600,000, while the new surtaxes on individual incomes is expected to return $1,055,700,000.

Paint Remover Label Urged by Manufacturers

Adoption of a caution label for removers containing benzol was urged at a recent meeting of a representative group of manufacturers of paint and varnish removers, held in the offices of the National Paint, Varnish and Lacquer Association. A label along the following lines was suggested:—

CAUTION—POISON! This product contains more than 15 percent benzol, which is a volatile solvent. Use with adequate ventilation. Avoid prolonged breathing of vapor. Inflammable—Keep away from open flames.

Such a label, it was said, would be in line with the agreement between the manufacturers of benzol and the U. S. Public Health Service, and would also be in accordance with the labeling laws of the State of Massachusetts.

Hercules Buys Resin Business of J.D. Lewis

Acquisition of the synthetic resin business of John D. Lewis, Inc., Providence, R. I., by the Hercules Powder Company, Wilmington, was announced July 1. John D. Lewis, Inc., will continue in the production of textile and heavy chemicals at Mansfield, Mass.

The Hercules company acquired the land, buildings, equipment, and processes of the Lewis synthetic resin plant at Mansfield, Mass., and the entire plant at Brunswick, Ga. Lewis products, which the Hercules firm will continue to manufacture, include 'Imperial' ester gum, 'Lewisol' maleic-modified ester gums, 'Lewisol' phenolic-modified ester gums, and various phenolic and alkyd resins.

The Lewis company's sales and manufacturing facilities will be joined with the synthetic department of the Hercules company which has been producing synthetic resins since 1936 under the direction of W. M. Billing.

John B. Lewis, president and treasurer of John D. Lewis, Inc., will act as consultant for Hercules Powder Company during the time required for consolidation, making his headquarters at Providence, R. I. Howard Bates, vice-president of the Lewis company, will join the sales staff of the Hercules synthetic department,

—*Continued on page* 31

Insulin Makers Fined $19,500

OPD Washington Bureau
July 2, 1941

The three licensed manufacturers of insulin in the United States entered pleas of nolo contendere to the government charge of violation of the anti-trust laws and were fined a total of $19,500 in the Federal District Court here today.

The concerns are Eli Lilly & Co., Sharp & Dohme, Inc., and E. R. Squibb & Sons. They were indicted by a Federal grand jury here March 31 on charges of conspiracy to fix and maintain uniform prices for insulin in the District of Columbia and in interstate commerce.

The defendants originally entered pleas of not guilty, but these were withdrawn in court today and the defendants announced they would not contest the case. The court imposed fines of $5,000 each on the three corporations and $1,500 each on Eli Lilly, president of Eli Lilly & Co.; John S. Zinsser, president of Sharpe &

—*Continued on page* 54

McK.&R. Reorganization Completed July 1

McKesson & Robbins, Inc., emerged on July 1 from its reorganization which began on December 8, 1938, with the appointment of William J. Wardall, as trustee. Through approval by Federal Judge Alfred C. Coxe of an underwriting agreement covering $19,300,000 in new securities, provision is made for the payment in cash of all allowed creditors' claims in full with interest accumulated from the start of the reorganization under chapter 10 of the bankruptcy act.

In turning over to the new company the assets which he has held in trust since his appointment as trustee, Mr. Wardall paved the way for the company's independent operation under Charles F. Michaels and William J. Murray, jr., who recently were elected respectively chairman and president.

A syndicate headed by Kidder, Peabody & Co., Lazard Freres & Co. and F. S. Moseley & Co. on July 2 offered $13,700,000 fifteen-year 3½ percent sinking fund debentures, due July 1, 1956, and 56,000 shares of 5¼ percent cumulative preferred stock, par $100, of this company.

Debentures were priced at 104¾ percent and accrued interest and the preferred at $103 a share, plus accrued dividends from July 1, 1941.

On June 25 the committee on stock list of New York Stock Exchange authorized listing of company's 1,685,901 shares of common stock, $18 par, upon official notice of issuance.

F.T.C. Outlaws Use of Basing Points for Delivered Prices

OPD Washington Bureau
July 6, 1941

The Federal Trade Commission ordered nineteen Southern producers of lime and Hal S. Covert, of Knoxville, Tenn., their former paid representative, to cease and desist from engaging in a combination of conspiracy to maintain a delivered price system for their products.

The commission order directs that the respondent producers, directly or through the respondent Hal S. Covert, cease and desist from continuing or carrying out any agreement, understanding, combination or conspiracy between and among themselves or with others, for the purpose of restraining, monopolizing, or eliminating competition in the purchase or sale of lime and from performing by concerted action or agreement the following practices:—

(1) Fixing, establishing, quoting, or maintaining delivered prices to any given point of delivery, predicated upon the use of basing points, by the use of which all delivered price quotations are calculated as though shipments are made by rail from a single point or points having a common freight rate to destination.

(2) Filing or exchanging among themselves or with others the base prices applicable to the respective basing points, and adhering or agreeing to adhere to specific basing points and specific basic point prices.

(3) Making quotations and sales of their products upon a delivered basis only, with freight equalized from their respective shipping points, wherever the cost of their products to any given buyer, when delivered from any point, is thereby made identical at any given destination, regardless of variations in freight from different places of production and shipment.

(4) Promising to adhere to, and, pursuant to any promise, assurance or understanding, adhering to filed prices, terms and conditions of sale in the making of quotations or sales of their products.

(5) Fixing or establishing prices, terms and conditions for the sale of lime to the public, and fixing or maintaining uniform prices, terms and sale conditions.

(6) Compiling and circulating among themselves or others lists of freight rates from various basing points to various destinations in order to insure that differences in the actual freight from actual shipping points to a given destination and differences in the interpretation and application of freight tariffs will not create differences in the delivered price at any given destination.

(7) Submitting identical delivered price quotations, terms and conditions of sale in sealed bids or other bids on invitations from municipalities, State or Federal governments, or refusing to quote other than delivered prices or their equivalent in making such bids.

(8) Entering into, participating in or carrying on, through the respondent Hal S. Covert, or under his auspices or direction, or through any central agency, meetings, or otherwise, discussions and exchanges of information concerning proposed or future prices, terms and conditions of sale.

(9) Fixing or increasing the price to be charged for delivery in carload lots of less than 15 tons as compared with the price for larger carloads by adding thereto a uniform premium or surcharge.

(10) Collaborating or exchanging price information with lime producers' trade associations in other areas whose members sell lime in the respondents' territory, for the purpose and with the effect of restricting competition as to prices, terms and sale conditions in the respondents' territory.

(11) Collaborating or exchanging price information with trade associations composed of lime producers located in other sections for the purpose and with the effect of recognizing, adopting, or selling the respondents' lime products according to delivered price quotations prevailing in other section than the respondents' territory when offering for sale or selling their products in such "outside" territory and thereby restricting price competition in such "outside" territory.

(12) Exchanging information as to basing point price quotations, freight rates from basing points, and delivered price quotations with trade association composed of lime producers located in other sections for the purpose or with

—*Continued on page* 37

F.T.C. Upheld by Court In Perma-Maid Case

OPD Washington Bureau
July 1, 1941

The United States Circuit Court of Appeals for the Sixth Circuit (Cincinnati) has affirmed with dissent a Federal Trade Commission order directing the Perma-Maid Company to cease and desist from unfair disparagement of the products of competitors by representing that the preparation of food in aluminum utensils causes the formation of poisons and that the consumption of food prepared and kept in aluminum utensils will cause ulcers, cancers, cancerous growths, and various other ailments, afflictions, and diseases.

The company's brief contended that the acts complained of were done without its approval and that, prior to the issuance of the complaint, on its own initiative, it had forbidden its employees to continue such acts and disciplined employees for violating these instructions. It was contended that the drastic remedies afforded the commission should be exercised with great discrimination and only in cases where the propriety of an order is clearly established.

The court ruled:—

These findings afford no warrant for setting aside the cease and desist order. They do not show that petitioner made any attempt to prevent the unlawful practices even if clearly shown does not render the controversy moot. It is the duty of the commission to prevent per-

—*Continued on page* 56

U.S.P. Convention Finances

Philadelphia, June 30, 1941

Statements of income and expenses and cash receipts and disbursements of the United States Pharmacopeial Convention for the period, April 15, 1940, to April 30, 1941, have been issued by direction of the U.S.P. board of trustees. The statements were prepared by R. G. Rankin & Co., certified public accountants, New York and Washington, as auditors.

The returns for the year from the sales of pharmacopeia in English and Spanish have been larger than was expected. The returns from the sales of reference standards continue to increase and indicate that these reference standards serve a very useful purpose.

The expenses of this period include, in addition to the cost of the decennial meeting of the convention and a meeting of the retiring executive committee, the cost of a meeting of the general committee of revision, a special meeting of the entire subcommittee on scope, and three meetings of the board of trustees. A meeting of the special committee to revise the constitution and by-laws as authorized by the convention and a meeting of a subcommittee on drafting also have been held during the year in order to forward the completion of the work.

The plan to issue the twelfth edition of the pharmacopeia as promptly as possible in conformity with the new five-year program approved by the convention of 1940 is reflected in the expenses of this first year of revision. An executive assistant to the chairman of the committee of revision has been provided; the special meeting of the sub-committee on scope was held in order to complete the list of admissions and deletions; special meetings of the hormone advisory board, the sterile products advisory board, and the blood and blood substitutes advisory board, the members of which serve without compensation excepting for expenses, were required to complete the special assignments given to them; full-time technical assistants were continued for the chairmen of the subcommittees on organic and inorganic chemicals, which sub-committees are responsible for about 62 percent of all U.S.P. XII texts; and the clerical assistance, office supplies, and postage have increased since about twice as much circular and bulletin material, including certain papers read at the preconvention meeting, has been issued as compared with the first year of revision in the preceding decade.

While the program for the earlier issuance of the twelfth edition under the five-year plan has brought many expenses of revision previously spread over a longer period into the first year, it is also expected to insure an earlier return of supporting funds.

Data presented in the several U.S.P. financial statements are as follows:—

—*Continued on page 63*

Army Medical Supply Main Depot in St. Louis

OPD Washington Bureau
July 2, 1941

Transfer of the main army medical supply depot from Brooklyn, N. Y., to St. Louis was announced this week by the War Department. It was explained that the change was in line with the policy of moving inland and away from the more easily accessible coast areas as many army activities as possible. No change in purchasing policies or acceleration of purchases is involved in the change.

The new move was revealed in an announcement that the department had acquired the Mart building in St. Louis at a cost of $2,300,000 for use in storing medical supplies. It is estimated that the acquisition of the Mart building will add approximately 1,000,000 square feet of floor space to available storage for medical supplies.

More than 30 BROMINE COMPOUNDS

The Mallinckrodt Chemical Works has served as a dependable source of Bromides for seventy years. The list of Bromine products now includes practically all Bromides from Ammonium to Zinc, as well as Bromine and Hydrobromic Acid. These products are suitable for medicine, photography, industry, and laboratory analysis.

Many Mallinckrodt bromides are available in several physical forms such as *Potassium Bromide U.S.P. XI Crystals, Granulated,* or *Powdered.* A variety of grades such as *Acid Hydrobromic U.S.P. IX Diluted (9½-10½%), Acid Hydrobromic Purified 34%, Acid Hydrobromic A.R. 40%, Acid Hydrobromic A.R. 48%,* are also supplied. Inquiries are welcomed for samples, prices and information.

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Mercury Bromide Mercuric A.R.
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Potassium Bromate A.R.
Potassium Bromide U.S.P. XI
Potassium Bromide A.R.
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Quinine Hydrobromide N.F. VI
Silver Bromide
Sodium Bromate
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Current Market Quotations

July 3, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).

Acetal, cbys., works.....lb. 1.00 - 1.50

Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —

Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —

Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29

USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —

powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs, 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —

Acetoacetanilide, dms.....lb. .47 - .65

Acetone, CP, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd.....lb. .09 - —
tanks, dlvd.....lb. .07 - —

Methyl (see M)

Acetonitrile, dms., works.....lb. 1.00 - 2.00

Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs.....lb. 1.35 - 1.37

Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —

Acid, abietic, dms., o.., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12

Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs.....100 lbs. 3.68 - 3.93
56%, bbls.....100 lbs. 5.18 - 5.43
cbys., cs.....100 lbs. 5.68 - 5.93
70%, bbls.....100 lbs. 6.19 - 6.44
cbys., cs.....100 lbs. 6.69 - 6.94
80%, bbls.....100 lbs. 6.91 - 7.16
cbys., cs.....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 8.30 - 8.55
cbys. .....100 lbs. 8.80 - 9.05
tanks .....100 lbs. 7.50 Nom.
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.43 - 8.68
tanks .....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 4.23 - 4.48
cbys., cs.....100 lbs. 4.73 - 4.98
36%, bbls.....100 lbs. 4.61 - 4.86
cbys., cs.....100 lbs. 5.11 - 5.36
60%, bbls.....100 lbs. 7.17 - 7.42
cbys., cs.....100 lbs. 7.67 - 7.92
80%, bbls.....100 lbs. 8.70 - 8.95
cbys., cs.....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13

Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —

Adipic, fib. dms., works.....lb. .31 - —

Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —

Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22

Ascorbic, bots., dms.....oz. 1.85 - 2.10

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —

USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .53 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
90 lbs. or less.....lb. .59 - .60

Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.128.00 - —

Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —

Broenner's, bbls.....lb. 1.11 - —

Camphoric, cns.....lb. 6.95 - 7.00

Capric, dms.....lb. .19 - .19½

Caproic, dms., works.....lb. .25 - .30

Caprylic, dms.....lb. .27 Nom.

Castor oil, split, dms.....lb. .16¼- .17

Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —

Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼

Cinnamic, refd., bots.....lb. 2.85 - 3.25

Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —

Coconut oil, dist., dms.....lb. .16 - .16½

Cottonseed oil, dist., dms....lb. .11½- .12
tanks .....lb. .11 - —

Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis...gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis...gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis...gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. .90 Nom.

Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S....gal. .58 - —
l.c.l., same basis.....gal. .59 - .60
tanks, dlvd., East. U.S.gal. .54 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .64 - —
l.c.l., same basis....gal. .65 - .66
tanks, dlvd., East. U.S.gal. .60 - —

Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works.....lb. 1.00 - —

Diethylbarbituric (see Barbital).

Formic, dom., 90%, cbys., c.l., works..lb. .19½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —

Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms....lb. .28 - —

Gallic, tech., bbls.....lb. 1.05 - 1.08

NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots.....lb. 1.25 - —
fib. dms., 25 lbs.....lb. 1.29 - —

Gamma, bbls.....lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —

H. bbls.....lb. .45 - —

Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —

Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —

Hydrochloric (see Muriatic)

Hydrocyanic, cyls., works....lb. .80 - 1.00

Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —

Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼

Hypophosphorus, U S P, 30%, djns..lb. .75 - .80

Lactic, tech., dark, 22%, bbls., c.l., works...100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —

Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43

Lauric, dist., tech., dms....lb. .17½- .18

Laurent's, bbls.....lb. .45 - —

Linseed oil, light, dms.....lb. .16 - .16½

Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —

Malic, powd., kegs.....lb. .47 - —

Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15

Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009

Molybdic, kegs, works.....lb. .95 - 1.10

Monochloracetic, tech., bbls..lb. .15 - .18

Monosulphonic, bbls.....lb. 1.50 - —

Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —

20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —

22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —

CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —

Myristic, dist., dms.....lb. .18 - .18½

Naphthenic, dom., acidity 160 dms., c.l., works...lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.

220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.

240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices

Nicotinic, 100-lb. cns.....lb. 7.15 - —
50-lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —

Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —

38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —

40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —

42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —

CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —

Oleum (see sulphuric fuming).

Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over....lb. .11 - —
smaller quantities.....lb. .12 - .14

Palm oil, white, dist., dms..lb. .10 - ...10½
tanks .....lb. .09½- —

Paraminobenzoic, cns.....lb. 1.40 - —

Paranitrobenzoic, cns.....lb. .72 - —

Phenylacetic, bots.....lb. 1.45 - 1.95

Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —

USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½

Picramic, kgs.....lb. .65 - .70

Picric, bbls.....lb. .35 - —

Propionic, synth., pure, 55-62% dms., returnable, works.lb. .14 - —
tanks, works.....lb. .11 - —

Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. .....lb. 1.53 - —

Acid, pyrogallic, USP, cryst., cns..lb. 2.00 - —
resub., cns.....lb. 2.50 - —

Pyroligneous, bbls., dlvd. E.gal. .25 - —

Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic, tech., bbls.....lb. .36 - —
USP, bbls.....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .15½- .16

Stearic, dist., double pressed, bgs., dlvd..lb. .13½- .14¼
single pressed, bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .18 - .17
saponif., double pressed, bgs., dlvd..lb. .13½- .14½
triple pressed, bgs., dlvd..lb. .16¼- .17¼

Succinic, bbls.....lb. .75 - —

Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —

Sulphonaphthenic, dms.....lb. .04 - .10

Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —

66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —

98°, tanks, works.....ton.17.50 - —

CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .06 - —
9-lb. bots.....lb. .17 - —

fuming, 20%, tanks, E. works. ton.18.50 - —

Tannic, tch., bbls., dms.....lb. .64 - .66
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots.....lb. 1.15 - —
25-lb. lots.....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots.....lb. 1.05 - —

Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .65½- —
smaller quantities.....lb. .64 - —
kgs. .....lb. .64½- —

Tobias, bbls.....lb. .55 - .60

Trichloracetic, bots.....lb. 2.00 - 2.50

Tungstic, CP, kgs., works...lb. No prices

Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. 1.10 - 1.15

Aconitine, amorph., bots.....oz.23.00 -28.00
vial .....vial. 1.00 - —
cryst., bots.....oz.42.00 - —
vial .....vial 1.00 - —

Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —

Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18

Agar, 1 bl.....lb. 1.40 - 1.45
3 bls.....lb. No prices

Agaric, white, bls.....lb. No stocks

Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld...lb. .60 - .70
import, bgs.....lb. No prices

Egg, ed., dom., cryst., bbls..lb. 1.40 - 1.50
powd., dms., bbls.....lb. 1.45 - 1.55
import, cs.....lb. No prices

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld.....lb. .141 - —
tanks, frt. alld.....lb. .121 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —

Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —

Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagon, frt. alld....lb. .09½- .10¼
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —

Cinnamic, bots.....lb. 2.33 - 2.95

Denatured, CD14, dms., c.l., dlvd. E...gal. .36½- .35½
l.c.l., dlvd., dms.....gal. .41½- .42½
tanks, E., dlvd.....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —

Alcohol—Benzocaine

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works...gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E....gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
tech., dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
tanks, dlvd.....lb. .10 - —
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —
Furfuryl, tech., cns., works...lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .58 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .67 - .70
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
less than 2,000 lbs.....lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade.. dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .13 - .13½
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .69
Aloin, 140-lb. bbls.....lb. 3.60 - —
100-lb. kgs.....lb. 3.62 - —
25-lb. fib. dms.....lb. 3.69 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works...100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers..lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd., lb. .45 - —
solut., 24%, bbls., c.l., dlvd..lb. .07½- —
Alumina acetate, solut., 24%, l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9 dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd..lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over., dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11.000 lbs., works, lb. .10 - —
100 lbs. or less, works.lb. .11 - —
140 to 375 lbs., works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l. dlvd.....lb .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½- —
bbls., c.l., dlvd.....lb. .14½- —
l.c.l., bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17¾- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l., lb. .21 - —
l.c.l. .....lb. .22 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.85 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; an single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
999 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N. Y..lb. .0564- .0614
Bichromate. bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .15 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .72 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate. 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .23
Ammonia, phosphate, dibasic, NF V, bis..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .08 - —
dms., works.....lb. .04 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11¼- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
tanks, frt. alld.....lb. .11½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns. .....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .50
import., natural, bls.....lb. 1.60 - 1.65
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Cyprus, bgs.....lb. .35 - .37
Mexican, bgs.....lb. No stocks
Star .....lb. .21 - .21½
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, com., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .16 - .17
Arecoline hydrobromide, bots..oz. 6.00 - 7.25
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10½
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.35 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.45 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04½- —
Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .06 - —
smaller lots, f.o.b. plant. lb. .06 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.45.00 -47.50
l.c.l., works.....ton.50.00 -52.50
bbls., c.l., works.....ton.50.00 -52.50
l.c.l., works.....ton.55.00 -57.50
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works....lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09¼- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.25.85 - —
ex whse., New York....ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay Rum, tax extra, import, bbls..gal. .77½- .78½
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Bensidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —

Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms.....lb .85 - 1.00
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .48 - —
dms.....lb. .44 - —
Benzyl alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms.....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.45 - 1.60
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs.....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars.....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.86 - —
jars.....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns.....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib, dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns.....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l. frt. alld. E., lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
4, bbls., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
5, bbls., bgs., c.l., frt. alld, E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
8, bbls., bgs., c.l., frt. alld. E., lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
Bone black prices on Pacific Coast are 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½- —
dlvd..lb. .07½- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd..lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N.Y., lbs. .04½ Nom.
B, bbls., works or N. Y..lb. .05½ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld.....lb. .09½ Nom.
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -80.00
pulp, 66%%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.05
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.50 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.65 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.25 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .13

Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85

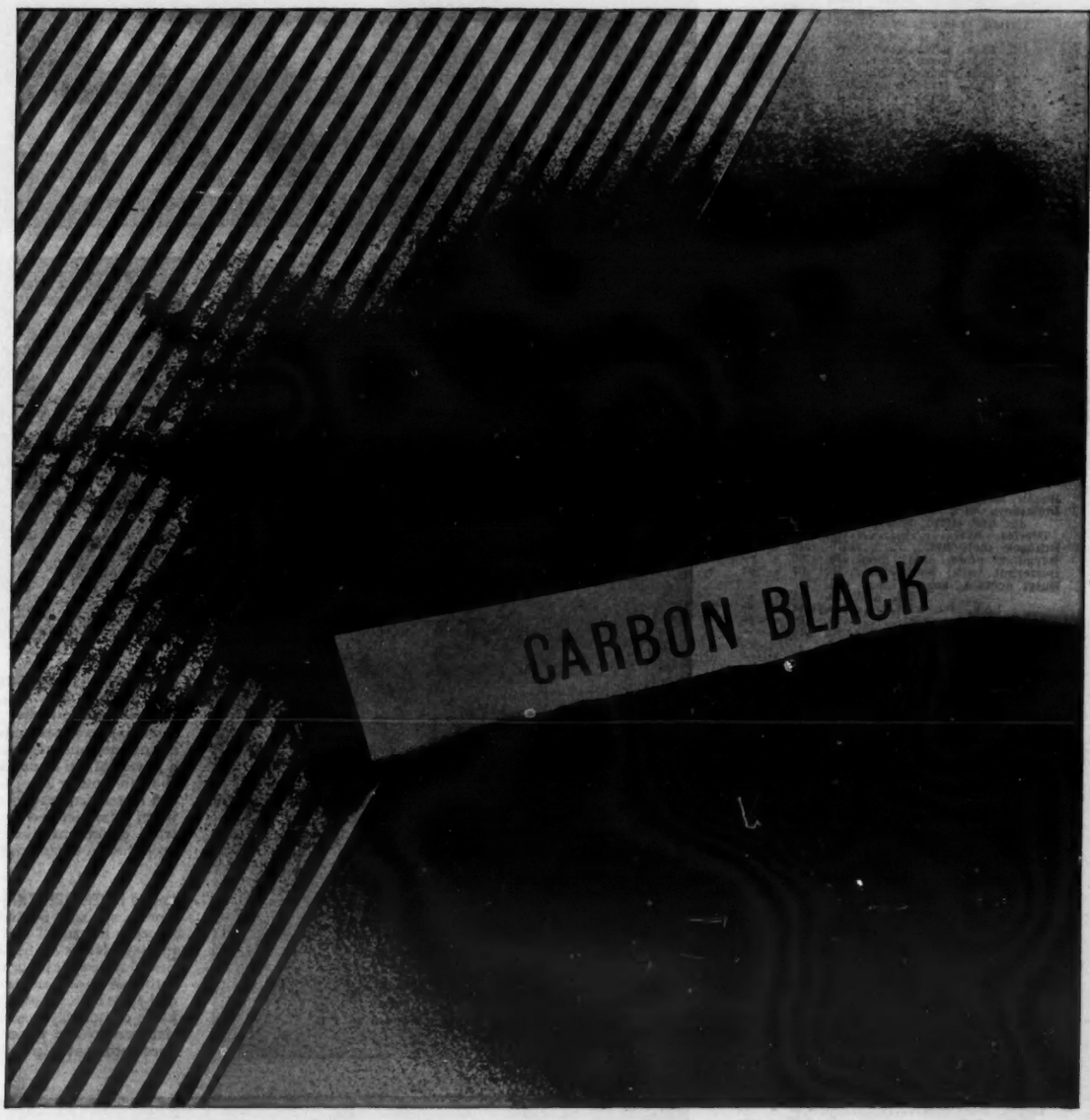
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —

Blue, ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 25-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.83 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.36.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.36.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1½% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48

Benzol—Bromoform

Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
tech., 99½%, gran., bgs., less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —



WITCO Carbon Blacks are in constantly increasing demand in many industries because of the excellent, uniform results they give for a wide variety of purposes. Recognizing the diversity of needs in blacks, Wishnick-Tumpeer is continually conducting research and has developed a range of types that are flexible enough to meet the individual requirements of manufacturers for various types of products — paints, printing inks, rubber, carbon paper, typewriter ribbons and many others. Your inquiries regarding Witco Carbon Blacks will be given our prompt attention.

WISHNICK-TUMPEER, INC.

MANUFACTURERS AND EXPORTERS

New York, 295 Madison Ave. • Boston, 141 Milk St. • Chicago, Tribune Tower • Cleveland, 616 St. Clair Ave., N. E. • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company Panhandle Carbon Company • Foreign Office, London, England

Bromstyrol—Carbon Tetrachl.

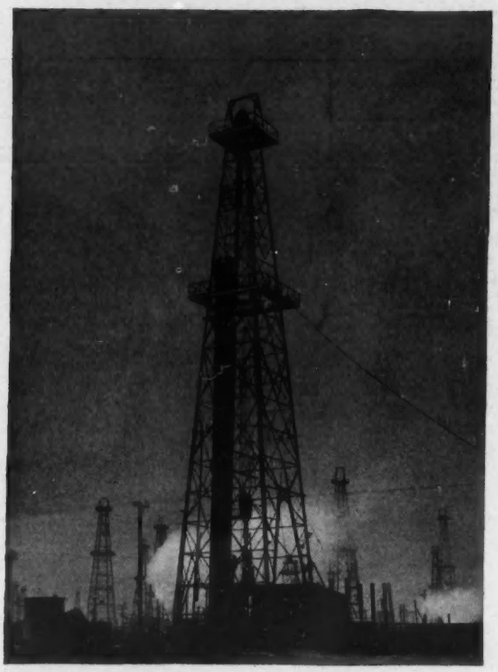
Bromstyrol ..... lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
Bronze powd., gold., printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls. ..... lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered ..... lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .13½ Nom.
2 bbls., same basis....lb. .12½ Nom.
3 bbls., same basis....lb. .11½ Nom.
4, bbls., same basis....lb. .10 Nom.
5, bbls., same basis....lb. .10 Nom.
6, bbls., same basis....lb. .09½ Nom.
7, bbls., same basis....lb. .09¼ Nom.
8, bbls., same basis....lb. .09 Nom.
9, bbls., same basis....lb. .08½ Nom.
10, bbls., same basis....lb. .08½ Nom.
11, bbls., same basis....lb. .08 Nom.
12, bbls., same basis....lb. .07½ Nom.
13, bbls., same basis....lb. .07¼ Nom.
14, bbls., same basis....lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N. Y. o r works..lb. .13¾ Nom.
2, bbls., same basis....lb. .12½ Nom.
3, bbls., same basis....lb. .12¾ Nom.
4, bbls., same basis....lb. .10¾ nom.
5, bbls., same basis....lb. .10¾ Nom.
6, bbls., same basis....lb. .09¾ Nom.
7, bbls., same basis....lb. .10 Nom.
8, bbls., same basis....lb. .08½ Nom.
9, bbls., same basis....lb. .08 Nom.
10, bbls., same basis....lb. .07¼ Nom.
11, bbls., same basis....lb. .06¼ Nom.
Umber, American, bbls., works, lb. .03¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis.....lb. .05½- —
l.c.l., ex car Los Angeles, lb. .05¾- —
ex whse. Portland, San Francisco, Seattle..lb. .05¾- —
ex whse. Los Angeles, lb. .06½- —
ex whse. Portland, San Francisco, Seattle..lb. .06 - —
Boston .....lb. .05 - —
Chicago, Indianapolis, New Orleans..lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special ..... lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .57 - .58
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½- —
tanks, frt. alld.....lb. .10 - —
tankwagons, frt. alld...lb. .10½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms.lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .90 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .22 - —
Crotonate, normal, 55-gal. dms., works..lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5-gal. cns., works.....lb. .75 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., divd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .32½- —
Butyric ether, bots.....gal. 0.50 - 0.60
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comL, 16-34°, tanks, group 3..gal. .02½- .03

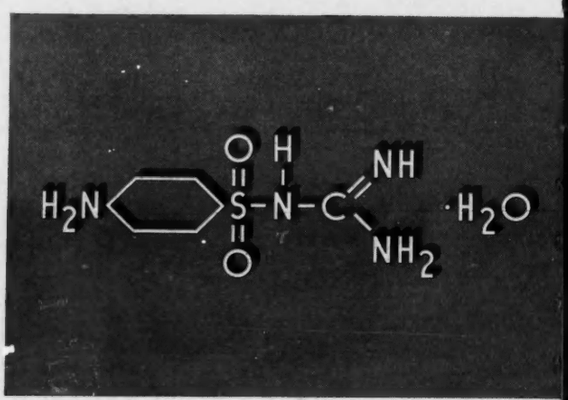
C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - —
Cyanide, 25-lb. bots., divd...lb. 3.00 - —
25-lb. cks., divd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.22 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.80 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .50 - .55
Calcium acetate, bgs., divd., 100 lbs. 3.00 - —
Calcium, arsenate, bgs., c.l...lb. .06½- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .85 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., divd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, bgs., 77-80%, c.l., divd..ton.20.50 -36.00
l.c.l., 1 ton or more, divd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%. dms., c.l., divd..ton.19.00 -33.00
l.c.l., 1 ton or over, divd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms.... 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphate, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Calcium, palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 25-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .24 - —
l.c.l., ton.....lb. .25 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs...lb. .73 - .74
slabs, cs.....lb. .73 - .74
tablets, tins.....lb. .80 - .81
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots...lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04⅝
Morocco, bgs.....lb. .05 - .05½
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .85 - .90
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
99%, dms.. ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .80 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. 1.00 - —

Life ON THE

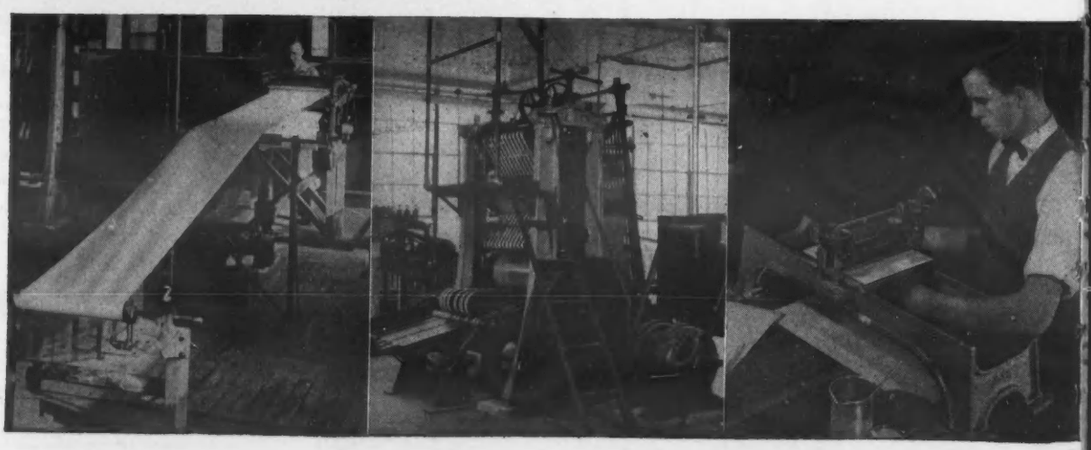
(*Below*) **MORE RAPID FLOW OF OIL** from oil sands is now made possible in many instances by the use of wetting agents. Reports of extensive field tests indicate that such chemicals often minimize the harmful results caused by excess water in sands surrounding a well bore. Cyanamid's AEROSOL® Wetting Agents, most powerful commercially available, may be useful here as in innumerable other industrial applications.





(*Above*) **NEWEST OF SULFA-DRUGS,** Sulfaguanidine is now made available for the first time to the medical profession generally through Lederle Laboratories, Inc., a unit of American Cyanamid Company, following extensive clinical tests conducted in leading hospitals. Sulfaguanidine, manufactured by Cyanamid's Calco Chemical Division, is a powerful aid in combating certain infectious diseases. It differs from the three other accepted sulfa-drugs in its rate of absorption. Whereas the latter are readily absorbed into the blood stream, Sulfaguanidine when administered by mouth remains largely in the lower intestinal tract, consistently inhibiting the growth of certain bacteria. It was first prepared in Cyanamid's Stamford Laboratories.

(*Below*) **FINER PRINTING IS MADE POSSIBLE** by the use of coated paper. One reason why coated paper is so much smoother than uncoated paper fibers is the small size of coating pigment particles: one-tenth as large in diameter as a fiber of wood pulp and 1/5000th as long. Cyanamid's Stamford paper laboratory possesses specialized equipment for research into this important technique. Shown from left to right are a commercial-type brush coater, a commercial supercalender and an experimental knife coater. Cyanamid maintains these facilities to give technical assistance to the paper industry and supplies almost everything that goes into coated paper except the pulp itself.



Carbon, tetrachloride, Zone 2, 52½-gal. dms., c.l., frt, alld., gal. .73 - —
l.c.l., frt. alld.....gal. .79 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.30 - 1.50
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% dump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .21 - .22
5 tons, works.....lb. .21½- .22¼
smaller lots, works.....lb. .21½- .22½
80-100 mesh, works.....lb. .21½- —
5 tons, works.....lb. .21⅝- .22⅝
smaller lots, works.....lb. .22 - —
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .20 - —
80-100 mesh, bgs., c.l., duty paid..lb. .20½- —
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .20½- .21
No. 1, regular, bls.....lb. .19½- .20
shortstick, bls.....lb. .17 - .17½
broken, bls.....lb. .15½- .16
China, buds, bags.....lb. .14 - .14½
Rolls, select, bls.....lb. .13½- .14
broken, extra, bls.....lb. .12⅝- .13¼
Saigon, No. 1, 4-10-4, bls.....lb. .24½- .25
10-6-2, bls.....lb. .26½- .27
all thin, bls.....lb. .27½- .28
Cassia fistula, bakts.....lb. .22 - .24
Castoreum, nat., cns.....lb. 12.50 -15.00
synth., bots.....lb. 19.00 - —
Castor beans, Brazilian, ship't, c.&f., N. Y..long ton. 71.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton. 15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .84 - .86
Indian .....lb. .53 - .54
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn.,
Cellulose, acetate-butyrate, 5,000 lbs. and up, frt alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld., lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —

Carbon Tetrac.—Clover Tops

Cellulose acetate-propionate medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton. 35.40 - —
Colo. .....ton. 32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton. 35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton. 27.00 - —
Indiana .....ton. 31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia.....ton. 25.00 - —
Kansas, El Paso, Tex. ton. 26.00 - —
Michigan .....ton. 32.80 - —
Ohio .....ton. 32.80 - —
Penn. .....ton. 34.80 - —
Utah .....ton. 36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works., ton. 12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. 18.60 -25.00
powd., cks., l.c.l., ex whse., ton. 45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.13
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y...lb. .05½- —
contracts, dlvd., N. Y...lb. .05¾- —
l.c.l., dlvd., N. Y.....lb. .07¾- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloracetaphenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .21½- —
solut., 8½%, cs., bbls.....lb. No price
Cake, bulk, c.l., works....ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —

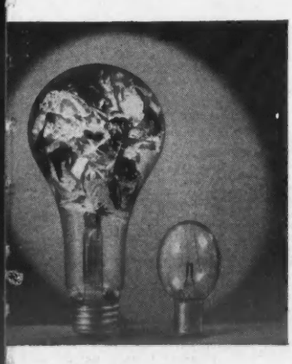
Cinchonine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.10 - 1.20
Cinnamon, Ceylon, 2 bls.....lb. .24½- .25
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Madagascar .....lb. .19½- .20
Zanzibar .....lb. .16½- .17
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35

CHEMICAL NEWSFRONT

(e) MEASUREMENTS OF COLOR, apparent reflectance and specular gloss aid to be recorded with high precision by the use of a multipurpose toelectric reflectometer. Richard S. Hunter of the National Bureau of ndards, designer of the apparatus, anticipates important applications he chemical, paint, ceramic, textile, plastics, soap and paper industries.

(c) CACTUS FOR MOTOR CARS consists of an unusually resilient, long-l fiber now being used by the Ford Motor Company for padding of s. This fiber, which is said to add much to riding comfort, is first n a "permanent wave" by twisting in the presence of steam. It is padded and latex-sprayed to bind it and further boost resiliency.



(*Left*) **FASTER FLASH,** easier synchronization and great compactness are made possible by the use of chemical paste in new "Speed Midget" photo-flash lamp. Metal foil, leaf and free wire, as used in older, larger lamp are eliminated, it is reported.

(*Right*) **BEETLEWARE†,** in a rainbow of colors for summer tables, is given prominent display by Fifth Avenue department store. This important plastic, Beetle†, is widely used in industrial, lighting, packaging and other fields.

American Cyanamid & Chemical Corporation
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA NEW YORK, N. Y.
*Trade-mark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.
†Trade-mark of American Cyanamid Company applied to urea products manufactured by it.

Coaltar—Ethyl Iodide

Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works. lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs..lb. .22½- .23
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs.oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz. 36.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .18 - .20½
Chloride, anhyd., bbls.....lb. .19½- —
cryst.....lb. .18½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.60 - —
l.c.l., dealers.....100 lbs. 9.60 - —
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
bbls., c.l., works.....ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, ship.....lb. No prices
Coriander, bgs.....lb. .10¾- .11¼
bleached, bgs.....lb. .12 - .12½
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs...l., dlvd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.52 - —
43°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton. 29.00 - 29.50
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .52½- —
smaller lots, bbls.....lb. .53 - —
kgs.....lb. .53½- —
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.20
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .26 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .10¼- —
l.c.l., same basis.....lb. .10¾- —
special resin grade, dms., c.l., works..lb. .09¼- —
l.c.l., same basis.....lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .12 - —
l.c.l., works.....lb. .14 - —
5 and 10-gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....lb. 3.75 - —
l.c.l.....100 lbs. 3.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C..lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .48 - .50
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18½- .19
Cyprus, bgs.....lb. .18½- .19
Indian, bgs.....lb. .16¼- .16¾
Persian, bgs.....lb. .17½- .18
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N...unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

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Damiana leaves, bls.....lb. .16 - .17
Dandelion root, bls.....lb. .70 - .75
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .06 - .08½
neutral, dom., bbls.....lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09½- .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 - 11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton. 35.00 - 39.00
l.c.l., ex whse.....ton. 85.00 - 90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
Import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l.....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works...lb. .032- —
l.c.l.....lb. .04 - —
tanks.....lb. .025- —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniline, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., dlvd....lb. .28 - —
Diethyl phthalate, dms., c.l., frt. alld..lb. .20 - —
l.c.l.....lb. .20½- —
tanks.....lb. .19 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22¼- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works..lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08¾- .09¼
Dimethyl phthalate, dms., c.l., dlvd..lb. .19½- —
l.c.l., dlvd.....lb. .20 - —
tanks, dlvd.....lb. .18½- —
Dimethylamine, dms., c.l., dlvd.lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Dimethylaniline, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 30° min..lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .13 - —
oily, dms.....lb. .05 - —
Diorthotoluoiguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .43 - .45
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .45 - .45
cns.....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton. 40.00 - —
Venezuelan.....ton. 43.00 - —
Doggrass root, imp. cut, NF, bls. lb. .88 - 1.00
domestic, bls.....lb. .36 - .37
Dogwood bark, Jamaica, bls...lb. .06 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
Green FD&C green, No. 2, cns. lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
FD&C green, No. 1, cns., lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb. 13.50 - —
Brown, D&C brown, No. 1, cns., lb. 12.35 - —
Green, D&C green, No. 5, cns., lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.35 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3.....lb. 21.35 - —
Ext. D&C red, No. 8.....lb. 7.35 - —
Ext. D&C red, No. 10, cns..lb. 12.35 - —
Ext. D&C red, No. 13, cns..lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 1.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
328 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives...lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown.....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
51 Yellow OB.....lb. 1.40 - —
Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
Green FD&C green, No. 2, cns. lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
FD&C green, No. 1, cns., lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb. 13.50 - —
Brown, D&C brown, No. 1, cns., lb. 12.35 - —
Green, D&C green, No. 5, cns., lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.35 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3.....lb. 21.35 - —
Ext. D&C red, No. 8.....lb. 7.35 - —
Ext. D&C red, No. 10, cns..lb. 12.35 - —
Ext. D&C red, No. 13, cns..lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 1.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
328 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives...lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown.....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
51 Yellow OB.....lb. 1.40 - —
Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Green:—
687 Malachite green base..lb. 2.00 - —
Orange:—
20 Chrysoldin G.....lb. .95 - —
21 Chrysoldin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine.....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—
Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin.....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
793 Phosphin.....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green..lb. 2.35 - —
Orange:—
10 Chrysoldin G.....lb. .40 - —
21 Chrysoldin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
70 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin.....lb. .60 - .62
183 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin.....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin.....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
840 Tartrazin.....lb. .80 - —
655 Auramine.....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls.....lb. .78 - .81
imported.....lb. .72 - .75
Elder flowers, bright, bls.....lb. .75 - .80
Elecampane root, bls.....lb. .14 - .15
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz. 24.00 - 28.30
Ephedra, bls.....lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs..oz. .60 - —
100 ozs.....oz. .70 - —
anhyd., dms., 1,000-oz. lots.oz. .63 - —
100-oz. lots.....oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .45 - —
100-oz. lots.....oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .43 - —
100-oz. lots.....oz. .53 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrwal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.10 - 2.20
Eserine, bots.....oz. 50.00 - 72.00
Salicylate, bots.....oz. 42.00 - 45.00
Sulphate, bots.....oz. 42.00 - 45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms.....lb. .16 - —
Synth., dms., c.l., work.....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks.....lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Ethyl acetate, 85-90%, dms., c.l., frt alld..lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt.. alld.....lb. .07½- —
95-99%, dms., c.l., frt. alld..lb. .08¾- —
l.c.l., frt. alld.....lb. .09¼- —
tanks, frt. alld.....lb. .07¾- —
NF, 390-lb. dms.....lb. .09 - —
cns., 35 lbs.....lb. .13 - .14
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Benzoate, bots.....lb. 1.00 - 1.25
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.06 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.50 - 3.75
Crotonate, 85-gal. dms., works, lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5 and 10-gal. dms., works, lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60

Ethyl, lactate, 55-gal. dms., works	lb.	.33½- —
5-gal. dms., works	lb.	.37½- .39½
Oenanthate, dms	lb.	.75 - 1.25
Oxalate, dms., frt. alld	lb.	.23 - —
Oxyhydrate, bots	gal.	4.00 - 6.00
Silicate, l.c.l., dms., wks	lb.	.17 - —
Vanillin, 25-lb. lots, cns	lb.	6.00 - —
5-lb. lots, cns	lb.	6.05 - —
1-lb. lots, cns	lb.	6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld	lb.	.45 - —
less than 5,000 lbs., same basis	lb.	.47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld	lb.	.0742- —
West of Rockies, same basis	lb	.0792- —
l.c.l., works, E. of Rockies, frt. alld	lb.	.0795- —
West of Rockies, same basis	lb.	.0841- —
Ethyleneglycol, dms., c.l.	lb.	.14½- —
l.c.l.	lb.	.15½- .18½
tanks	lb.	.13½- —
Monobutylether, dms., c.l., wks.	lb.	.16½- —
l.c.l., works	lb.	.17½- .20½
tanks, works	lb.	.15½- —
monoethylether, dms., c.l., works	lb.	.14½- —
l.c.l., works	lb.	.15½- .16½
tanks, works	lb.	.13½- —
Monoethylether, acetate, dms., c.l., works	lb.	.11½- —
l.c.l., dms	lb.	.12½- .15½
tanks, works	lb.	.10½- —
Monomethylether, dms., c.l., works	lb.	.15½- —
l.c.l., works	lb.	.16½- —
tanks, works	lb.	.14½- —
Ethylidinanilin, dms	lb.	.45 - .47½
Eucalyptol, cns., dms	lb.	.80 - .90
Eucalyptus leaves, bls	lb.	11 - 12
Eugenol, cns., dms	lb.	2.00 - 2.10
Euphorbia, bls	lb.	.09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works	ton.	14.00 -17.50
l.c.l., minimum 2 tons	ton.	17.00 -20.50
glass, 20 mesh, bulk, works	ton.	9.75 -12.25
l.c.l., minimum 2 tons	ton.	12.75 -16.25
pottery, bulk, Me., works	ton.	17.00 -19.00
N. C., works	ton.	17.00 -19.00
l.c.l., minimum 2 tons	ton.	20.00 -22.00
Fennel seed, Argentine, bgs	lb.	.16 - .16½
Indian, bgs	lb.	.09 - .09½
French, bgs	lb.	No stocks
German, large, bgs	lb.	No stocks
Roumanian, bgs	lb.	.11¼- .12
Fenugreek, seed, bgs	lb.	.06¾- .07¼
Ferric, sulphate, anhyd., c.l., works	ton.	35.00 - —
l.c.l.	ton.	40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works	lb.	.12 - —
smaller lots, works	lb.	.13 - —
light, cs., 1,000 lbs. or over, works	lb.	.13 - —
smaller lots, works	lb.	.15 - —
water white, cs., 1,000 lbs. or over, works	lb.	.14 - —
smaller lots, works	lb.	.15 - —
Fir balsam, Canada, cns	gal.	16.50 -17.00
Oregon, bbls	gal.	1.10 - 1.25
Fish berries, bgs	lb.	.26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures	unit-ton.	4.60 & .10
meal, bgs., f.o.b. Balto	ton.	62.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts	unit-ton.	2.75 & .50
sardine, Japanese, 11½% ammon. bgs., c.l.f. ports	ton.	No prices
Flake white, dom., bbls	lb.	.09 - —
kegs	lb.	.11 - —
Fleaseed, French, black, bgs	lb.	.55 - .60
Indian, blonde, bgs	lb.	.11 - .12
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines	net ton.	29.00 -30.00
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines	net ton.	20.00 -21.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines	net ton.	20.00 -21.00
imported, 85.5, duty paid, short	ton.	No prices
Formaldehyde, bbls., c.l., works	lb.	.0550- .0575
l.c.l., works	lb.	.06 - .0625
dms., c.l., works	lb.	.0515- .0540
l.c.l., works	lb.	.0565- .0590
Fringetree bark, bls	lb.	.14 - .15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines	ton.	15.00 - —
import, bgs., c.l., ex dock	ton.	No prices
l.c.l., ex whse	ton.	No prices
Furfural, ref., dms., c.l., wcrks,	lb.	.15 -
l.c.l., works	lb.	.17½- .25
tech., dms., contracts, 150,000 lbs.	lb.	.10 - —
c.l., works	lb.	.12½- —
l.c.l., works	lb.	.15 - .20
tanks, works	lb.	.09 - —
Fusel oil, refd., dms., incl., dlvd.,	lb.	.17½- .19½
Fustic, cryst., bgs., No. 1	lb.	.30 - —
No. 2	lb.	.28 - —
No. 3	lb.	.26 - —
extract, bbls., No. 1	lb.	.15 - —
No. 2	lb.	.14 - —
No. 3	lb.	.11½- —

G

salt, bbls	lb.	.45 - —
Galangal root, bls	lb.	.11 - .12
Gambier, common, cases	lb.	.10 Nom.
plantation, cases	lb.	No stocks.
cubes, Singapore, cases	lb.	.11 Nom.
extract, bbls	lb.	.09½- .12
Gasoline at refinery?— Bayonne, US motor, tanks, ex tax	gal.	.07½- .08
California (f.o.b. San Francisco), regular, trucks, tax incl.	gal.	.14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax	gal.	.07½- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax	gal.	.07¾- .05¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax	gal.	.05¾- .06
natural, 18-55, tanks	gal.	.03¾- .04
25-70, tanks	gal.	.03¾- .03¾
Gelatine, silver, cs	lb.	.70 - .77
Gelsemium root, bls	lb.	.14 - .15
Gentian root, bls	lb.	.62 - .65
grd., bbls., bxs	lb.	.64 - .66
powd., bbls., bxs	lb.	.65 - .67
Geraniol, 92-96%, cns., dms	lb.	1.41 - 2.05
other grades, cns., dms	lb.	1.25 - 1.85
soap, cns., dms	lb.	.65 - 1.00
Ginger, African, No. 1, bgs	lb.	.20 - .20½
Cochin, lemon, nearby, bgs	lb.	.18½- .19
Jamaica, bold, bgs	lb.	.22½- .23
medium, bgs	lb.	.20½- .21
grinding, bright, bgs	lb.	.20 - .20½
Japanese, bgs	lb.	No stocks
Ginseng root, wild Southern, cs.	lb.	12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).		
cryst., dom., bgs., bbls., c.l., works	100 lbs.	1.05 - 1.28
5 tons or over, works,	100 lbs.	1.15 - 1.35
less than 5 tons, works,	100 lbs.	1.25 - 1.45
import, bgs	100 lbs.	No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd	lb.	.16 Nom.
l.c.l., dlvd	lb.	.16½ Nom.
36/58 bgs., c.l., dlvd	lb.	.15½ Nom.
l.c.l., dlvd	lb.	.16 Nom.
58/82 bgs., c.l., dlvd	lb.	.17 Nom.
l.c.l., dlvd	lb.	.17½ Nom.
82/108 millipoise, bgs., c.l., dlvd	lb.	.17½ Nom.
l.c.l., dlvd	lb.	.18 Nom.
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest.	lb.	.18 Nom.
l.c.l., same basis	lb.	.18½ Nom.
60/164, bgs., c.l., same basis,	lb.	.18½ Nom.
l.c.l., same basis	lb.	.20 Nom.
87/122, bgs., c.l., same basis,	lb.	.20½ Nom.
l.c.l., same basis	lb.	.21 Nom.
Glue, hide, calcimine type, 75/222, bgs., c.l., same basis	lb.	.23½ Nom.
l.c.l., same basis	lb.	.24½ Nom.
68/251, bgs., c.l., same basis,	lb.	.23½ Nom.
l.c.l., same basis	lb.	.25½ Nom.
92/285, bgs., c.l., same basis,	lb.	.25½ Nom.
l.c.l., same basis	lb.	.26½ Nom.
182/315, bgs., c.l., same basis	lb.	.26½ Nom.
l.c.l., same basis	lb.	.27 Nom.
113/347, bgs., c.l., same basis	lb.	.27 Nom.
125/370, bgs., c.l., same basis	lb.	.28 Nom.
l.c.l., same basis	lb.	.29 Nom.
Glue prices for barrel packing, higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.		
Glycerin, CP, cns., l.c.l.	lb.	.16½- .17
dms., c.l., dlvd	lb.	.14½- —
l.c.l., dlvd	lb.	.15 - —
tanks, dlvd	lb.	.14¼- —
dynamite, dms	lb.	Nominal
high gravity, dms., c.l., dlvd	lb.	.14 - —
l.c.l., dlvd	lb.	.14½- —
tanks, dlvd	lb.	.13¾- —
saponification, basis 80%, for industrial users, special colors, dms., returnable, c.l., dlvd	lb.	.12½- —
l.c.l., same basis	lb.	.13¼- —
tanks	lb.	.12 - —
refiners, dms., returnable, tanks, dlvd	lb.	.11½ Nom.
soapiye, basis 80%, dms., returnable, tanks, dlvd	lb.	.10½ Nom.

Ethyl Lactate—Grease

Glycine, medicinal, bbls., tins	lb.	1.70 - 2.00
Glycol boriborate, dms	lb.	.22 - —
Phthalate, dms	lb.	.38 - —
Stearate, dms	lb.	.26 - —
Gold, U.S. purchase price	oz.	35.00 - —
Chloride, acid brown, both	oz.	20.75 -21.00
yellow, bots	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.,	oz.	13.00 - —
USP IX, bots	oz.	14.50 -14.75
Gold of pleasure, seed, bgs	lb.	.20 - .21
Goldenseal, root, bls	lb.	3.00 - 3.25
powd., bxs	lb.	3.25 - 3.50
Grains of paradise, bgs	lb.	.40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 80% graphite carbon, bgs., c.l., works	lb.	.07 - —
bbls., c.l., works	lb.	.07¼- —
l.c.l., works	lb.	.07½- —
Amorph., powd., 90%, 325 mesh, 85% graphite carbon, bgs., c.l., works	lb.	.02½- —
l.c.l., works	lb.	.03¼- —
bbls., c.l., works	lb.	.02¾- —
80% graphite, carbon, bgs., c.l., works	lb.	.03½- —
bbls., c.l., works	lb.	.03¾- —
l.c.l., works	lb.	.04½- —
Grease, house	lb.	.07¼- —
white	lb.	.07¾- —
yellow	lb.	.07¼- —
Wool (see Adeps lanae and Degras).		

PICTURE OF A CHEMIST
using formic acid

LATEX COAGULATES if you leave it in the sun. But Nature is flighty—and slow. So the natives on rubber plantations shorten the process to 2 hours—simply by adding formic acid. And they produce a light-colored rubber, with high resistance to aging. That makes them chemists—even if all they know is this: how to use formic acid to make one product better.

More versatile chemists value formic acid as a fundamental tool which has scores of uses . . . a tool which helps them, just as it helps jungle chemists, to better their products. For example, in the textile field, formic acid is indispensable. It produces more brilliant colors in dyed fabrics, with no streaky or cloudy effects, and level colors even in cross dyeing. Formic acid is also used in the manufacture of formates, leather, in laundry sours and many other special applications.

PROPERTIES: Formic acid permits results not obtainable with other acids. It is a volatile organic acid of high dissociation. Du Pont formic acid has a low molecular weight (46) and is free from sulfates and chlorides. It is soluble in water, alcohol, glycerine and ether. Containers: 126 and 125 pound carboys.

TECHNICAL SERVICE: No matter what chemicals you use, it will pay you to take advantage of the experience of the du Pont Technical Service man. He can often suggest the use of du Pont chemicals in ways that will save you money, give you better results, or speed up operations.

E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED
GRASSELLI CHEMICALS DEPARTMENT • WILMINGTON, DELAWARE

DU PONT
REG. U.S. PAT. OFF.

Atlanta • Birmingham • Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit • Los Angeles • Milwaukee
New Haven • New Orleans • New York • Philadelphia • Pittsburgh • Rensselaer • San Francisco • St. Louis • St. Paul
Represented in Canada by CANADIAN INDUSTRIES, LTD., General Chemicals Division, Montreal and Toronto

Green, Chrome—Lead, Blue

Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .23 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .28
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).
Green, tungstated, brilliant, kgs. lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .18 - .19
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —

Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.

2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13¾- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —

Gum, copal, Congo, No. 24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., same basis..lb. .08½- —
unscraped, bgs., same basis..lb. .07½- —
chips, bgs., same basis...lb. .06½- —
dust, bgs., same basis....lb. .06¼- —
nubs and chips, bgs., same basis..lb. .06½- —
Gum, copal, Batu, black, bold, scraped, bgs., same basis.lb. .10¼- —
unscraped, bgs., same basis..lb. .06¾- —
nubs and chips, bgs., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., same basis..lb. .12½- —
chips, bgs., same basis..lb. .07¾- —
dust, bgs., same basis..lb. .06¼- —
nubs, bgs., same basis..lb. .10¼- —
Singapore, Itasak, bold, bgs., same basis..lb. .17½- —
chips, bgs., same basis..lb. .10½- —
dust, bgs., same basis..lb. .06¼- —
nubs, bgs., same basis..lb. .14½- —
Manila, Boeas, amber and dark, bskts., same basis..lb. .14 - —
light, bskts., same basis.lb. .15½- —
Loba A, bskts., same basis, lb. .12½- —
B, bskts., same basis...lb. .12¼- —
C, bskts., same basis...lb. .11¾- —
CNE, bskts., same basis, lb. .09 - —
D, bskts., same basis...lb. .11¼- —
DK, bskts., same basis.lb. .08½- —
dust, bskts., same basis.lb. .07 - —
Sambas and white split chips, bskts., same basis, lb. .15⅝- —
Singapore, dust, bskts., same basis..lb. .07 - —
Spirit-soluble, CBB, bskts., same basis..lb. .11¾- —
DBB, bskts., same basis, lb. .10½- —
MA, bskts., same basis.lb. .09 - —
MB, bskts., same basis.lb. .08½- —
WS, bskts., same basis.lb. .10½- —
A/D, cs., same basis...lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., same basis, lb. .09¼- —
chips, pale, bskts., same basis..lb. .11¾- —
pale, small, bskts., same basis..lb. .10 - —
extra pale, sorts, bskts., same basis..lb. .11¾- —
nubs, bskts., same basis..lb. .13¼- —
scraped, bskts., same basis, lb. .14¾- —
seeds and dust, bskts., same basis..lb. .08 - —
Pontianak, bold, genuine bgs., same basis..lb. .17⅝- —
mixed, bgs., same basis..lb. .16½- —
split, bgs., same basis...lb. .16¾- —
chips, bgs., same basis...lb. .11½- —
nubs, bgs., same basis...lb. .15½- —
Dammar, Batavia, A, cs., same basis as copal..lb. .24¼- —
A/C, cs., same basis.....lb. .18⅞- —
A/E, cs., same basis.....lb. .16¼- —
B, cs., same basis.....lb. .22¾- —
C, cs., same basis.....lb. .18¼- —
D, cs., same basis.....lb. .16¼- —
dust, cs., same basis.....lb. .08⅝- —
E, cs., same basis.....lb. .12¼- —
F, cs., same basis.....lb. .08¾- —
Singapore, 1, cs., same basis, lb. .18⅞- —
2, cs., same basis.....lb. .14⅞- —
3, cs., same basis.....lb. .08¼- —
chips, cs., same basis....lb. .14 - —
dust, cs., same basis.....lb. .08⅝- —
seeds, cs., same basis...lb. .11⅞- —
Elemi, cns., same basis as copal..lb. .08¼- —
Ester, ordinary, c.l., dms., contract, dlvd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill...lb. .06½- —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .07 - —
Pacific Coast (water shipt.)..lb. .06½- —
Other points.....lb. .06¾- —

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17⅝- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb .20 - .35
Opium (see O.).
Rosin (see R).
Gum, sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.50 - 2.60
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Gypsum, plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald.....ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.18.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
Import, bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .32 - —
No. 2..lb. .28 - —
No. 3..lb. .26 - —
No. 4..lb. .24 - —
No. 5..lb. .22 - —
paste, bxs, No. 1.....lb. .13¼- —
No. 2.....lb. .12½- —
No. 3.....lb. .11½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .06½- .07
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .35 - .40
powd., bbls., bxs.....lb. .40 - .45
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments; same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3.. gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.65 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochcloride, bots., 4 oz...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18¼
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots.gm. 3.50 - —
Hyoscyamine, bots.....oz.21.23 -27.50
Hydrobromide, bots.....oz.21.25 -27.50
Sulphate, bots.....oz.21.25 -27.50
Hypernic, cryst., bgs., No. 1..lb. .40 - —
No. 2..lb. .32 - —
extract, bbls, No. 1.....lb. .23 - —
No. 2..lb. .18 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns...lb. 4.35 - —
Ipecac root, bgs.....lb. 1.80 - 1.90
powd., bxs.....lb. 1.85 - 1.90
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .08 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
Iron, chloride, cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
Chloride, USP X, cryst., bbls. lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, bbls., dms...lb. 1.60 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .08½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutyl acetate, 55-gal. dms., works...lb.0860 - —
tanks, works.....lb.0760 - —
Propionate, dms., works.....lb. .10 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
c.l., E. of Rockies, frt. alld. lb. .08½- —
l.c.l., E. of Rockies, frt. alld..lb. .09 - —
tanks, E. of Rockies, frt. alld..lb. .07½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld. gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .34 - .45
powd., bbls., bxs.....lb. .39 - .50
resin, lump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .33 - .34
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery;—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk...gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., blk..gal. .04⅜- .04½
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅜- .04½
Pennsylvania, 45 w.w., tanks, gal. .05½- .06
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs.10.50 -10.75
Middlewestern, trcs...100 lbs.10.00 -10.10
Neutral, trcs.....100 lbs.10.50 -10.75
Western, choice, trcs..100 lbs.10.10 -10.20
Compound, trcs.....100 lbs.14.00 -14.25
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .48 - .49
Portuguese, bls.....lb. .27 - .28
Turkish, bls.....lb. .58 - .60
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., lb. .12 - .12½
cryst., bbls.....lb. .12 - .12½
gran., bbls.....lb. .12¾- .13¼
powd., bbls.....lb. .12¾- .13¼
Arsenate, bgs., c.l.....lb. .09 - .09¾
l.c.l., bgs.....lb. .09½- .10¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¾- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —

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of Science and Research

MANUFACTURERS OF

Bismuth Subcarbonate
Bismuth Subgallate
Bismuth Subnitrate
and other Bismuth Salts
Brucine Alkaloid
Brucine Sulfate
All Salts of Cinchona
Alkaloids
Iodine Resublimed
Iodoform
Menthol-Y
Potassium Iodide
(Cryst.-Gran.-Powd.)
Quinine Sulfate
and other Quinine Salts
Strychnine Alkaloid
Strychnine Sulfate
Thymol Iodide

For years, N.Y.Q. has been among the leaders in carrying on scientific research. Constant daily research assures the customers of N.Y.Q. that our products are constantly analyzed to assure highest quality—and to control manufacture from raw materials into finished substances.

This is why so many customers have confidence in products carrying the N.Y.Q. label.

NYQ

THE NEW YORK QUININE & CHEMICAL WORKS INC.

GENERAL OFFICES

99-117 North Eleventh Street, New York, Borough of Brooklyn

ST. LOUIS DEPOT, 915 MARKET STREET, ST. LOUIS, MO

NYQ

Lead, Blue—Methyl Alcohol

Lead, blue, basic sulphate, bbls., l.c.l., divd. E.....lb. .07 - —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07½- —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars .....lb. 2.60 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0825- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .08¾- —
smaller lots, Ala., etc. lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, divd. Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
95% Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¼- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.39 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l. (20 tons), works, frt. alld...lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse...lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l. divd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd. Ariz., etc.....lb. .07 - —
other points.....lb. .06¾- —
l.c.l., divd. Ariz., etc...lb. .07½- —
other points.....lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers .....lb. .11¼- —
painters .....lb. .12¾- —

Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis...lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .28 Nom.
powd., bbls., bxs.....lb. .33 Nom.
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn.ton. 6.25 - —
Eagle Mountain, Va.ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Sciote, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b.
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08¼
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, divd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks. gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, divd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers...gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. eastern tier. Zone 4: west of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 2.75 - 3.50
90%, cns.....lb. 3.75 - 4.45
92%, cns.....lb. 4.25 - 5.00
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed, meal, bgs.....ton.27.00 - —
Litharge, com'l powd., bbls., 20-tons, divd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Other points.....lb. .0735- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
Other points.....lb. .07¾- —
smaller lots, divd., Ala.lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¾c. higher ex whse. Pac. Cst.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood, cryst., bgs., No. 1..lb. .26 - —
No. 2..lb. .24 - —
extract, bbls., No. 1.....lb. .13 - —
No. 2..lb. .12 - —
No. 3..lb. .11½- —
No. 4..lb. .09 - —
solid, bxs., No. 1.....lb. .22 - —
No. 2..lb. .20 - —
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .30 - .31
Siauw cs.....lb. .37 - .38
West Indian, cs.....lb. .51 - .52
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls.....lb. .09¼- —
kgs.....lb. .10¾- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. L.c.l. shipments, frt. alld., including divd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., divd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., 1 ton...lb. .28 - —
smaller lots.....lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bgs.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works....ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., divd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
tars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .06¾- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10½- —
single, bbls, works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., divd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .12 - .12½
Menthol, natural, Chinese, cs..lb. 4.15 - 4.25
Japanese, cs.....lb. 4.15 - 4.25
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails. 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —

Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Mercury, chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.65 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., divd..lb. .11¼- —
l.c.l., divd.....lb. .12 - —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural, producer group A, denat., grade tanks..gal. .60 - —
95%, tanks.....gal. .73 - —
97%, tanks.....gal. .75 - —
Pure, dms.....gal. .86 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 8c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —
dms., c.l., Zone 1.....gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .52½- —
Zone 4.....gal. .65½- —

Group B, 95% frt. alld., prices 2c. more than pure, all zones.
97%, frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or divd..gal. .38 - —
2, frt. alld. or divd..gal. .45½- —
3, divd., S. F. and L. A., gal. .42 - —
4, frt. alld. or divd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev. Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., divd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, divd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., divd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., divd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, divd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis...gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .43 Nom.
Zone 2.....gal. .44½ Nom.
Zone 3.....gal. .45½ Nom.
Zone 4.....gal. .45½ Nom.
dms., c.l., Zone 1.....gal. .51 Nom.
Zone 2.....gal. .52 Nom.
Zone 3.....gal. .53½ Nom.
Zone 4.....gal. .54½ Nom.
l.c.l., Zone 1.....gal. .54½ Nom.
Zone 2.....gal. .57 Nom.
Zone 3.....gal. .58 Nom.
Zone 4.....gal. .59 - —
Alcohol (see Methanol).

OIL, PAINT AND DRUG REPORTER July 7, 1941

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Prepared Monthly by U. S. Industrial Chemicals, Inc.

U.S.I. CHEMICAL NEWS

July ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1941

Drying Properties Of Oils Improved By New Technique

Conjugation of Double Bonds Carried Out in Alcohol Medium

MINNEAPOLIS, Minn.—A high degree of success in the solution of the problem of finding adequate substitutes for tung oil during the current shortage is promised by a novel technique for improving the drying properties of such oils as soybean, linseed, and sunflower, as well as a number of fish oils.

Soybeans are one of the sources of oils whose drying characteristics can be improved by a new technique utilizing an alcohol medium.

The process, described in a patent granted to an inventor here, consists in converting the unconjugated double bonds into conjugated ones by refluxing the oils with a basic reagent in a substantially non-aqueous medium. The ethylates and butylates of sodium, potas-

(*Continued on next page*)

A new bulletin describes formulas and methods of testing various types of writing, stamping, marking, and printing inks. U.S.I. will gladly refer readers to a source from which the bulletin can be obtained.

Tests Sealed Containers For Leaks with Solid CO_2

EVANSTON, Ill.—A novel way of testing the efficiency of container sealing operations, which has won a patent for an inventor here, makes use of pellets of solid carbon dioxide ("DRY-ICE"*).

The pellets are introduced into containers, which are then sealed in the usual way. The containers are immersed in water, and as the solid carbon dioxide evaporates, it creates a pressure inside the container. If the seal is defective, the carbon dioxide gas will escape, causing bubbles in the water.

* Manufactured and supplied by Pure Carbonic, Incorporated, an associated company of U.S.I.

Suggest Damar Resin To Parchmentize Heavy Paper

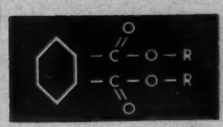
BROOKLYN, N. Y.—Heavy paper can be treated to resemble parchment with the aid of a solution of Damar resin in linseed oil and turpentine, it has been discovered here. The Damar resin possesses the desirable features of paleness and excellent color retentivity. Addition of about 10% ethyl cellulose helps prevent the Damar from becoming tacky under the effects of heat, as when the parchmentized paper is used in lamp shades.

Novel Applications Discovered For Versatile Phthalic Esters

Newly-Revealed Uses Range from Softening Synthetic Rubber To Extreme-Pressure Lubrication and Coloring of Plastics

Adhesives and printing inks, plastics and lubricants are just a few of the fields in which new uses are being found for the popular phthalic esters. Long established among the most satisfactory of lacquer plasticizers, the alkyl phthalates are daily giving new proof of their versatility by their entry into new fields.

Just recently, for example, it became known that butyl phthalate may be successfully employed as a softening agent in one of the new types of synthetic rubber, particularly when it is desired to increase resilience, or when a product free from plasticizer odor is needed.



ALKYL PHTHALATE

While the phthalates have been widely employed as plasticizing agents in plastics, an entirely new aspect of their use in this field has just been revealed in a recent patent, which describes a process for coloring plastics by employing butyl phthalate as a solvent for a colored concentrate. In the lubrication field, both ethyl phthalate and butyl phthalate are being employed in extreme-pressure lubricants where it is desired to prevent "seizing."

Adhesives are another application in which the phthalates are finding increasing utility. Butyl phthalate is employed in a patented adhesive for joining leather, in which the tendency toward cold flow is said to be prevented by the addition of powdered metals.

In Surface Coatings

Even in such well-established fields as surface coatings, new uses are constantly being found for the phthalates. Recent patents show that ethyl phthalate is recommended for use in producing decalcomanias that are opaque when dry but become transparent when wet; butyl phthalate in a new moisture-proof coating for cellulosic material and in a nitrocellulose-base ink for printing on textile materials.

The reasons for the growing popularity of the phthalates are not hard to find. Butyl phthalate and amyl phthalate have long been among the preferred nitrocellulose plasticiz-

(*Continued on next page*)

Improves Molded Bearings By Using Alcohol Varnish

GLEN ELLYN, Ill.—Marked improvements in the manufacture of heavy-duty bearings of the resinous type are promised by a new process employing a loose fibrous filler and an alcoholic solution of the resin.

Use of the alcoholic solution, it is disclosed in patent papers recently issued on the process, offers a number of desirable features. The alcohol solvent helps to distribute the resin rapidly through the fibrous mass, and aids in the coating and penetration of each individual fiber.

A preferred method for preparing the product so that it will be highly resistant to dimensional change is to treat the fibers first with a water-soluble resin varnish, dry the water out of the mass, and then to mix the fibrous mass with the alcohol solution.

The composition thus prepared, the inventor points out, can be molded almost to final shape, so that only a relatively small amount of machining is required.

Paint Containers Studied

WASHINGTON, D. C.—Studies are being carried on with a view to determining the possibility of conserving metallic tin by changes in the containers used for paints and other surface coatings. The use of terne plate containers for linseed-oil base paints gives satisfactory results in many cases, but so far no definite recommendations have been made for the packaging of shellac, white synthetics, and a number of other special products. Studies in this direction are now under way.

Plasticizing of surface coatings is one of the most widespread applications of the popular alkyl phthalates, which are constantly broadening their field of industrial utility.

ADVERTISEMENT—*This entire page is a paid advertisement.*

July ★ # U.S.I. CHEMICAL NEWS ★ 1941

Lustrous Pearl Finishes Show Gain in Popularity

NEW YORK, N. Y.—Lacquer finishes that produce a pearly luster on finished products are reported showing substantial gains in popularity, and are being used to boost the merchandising appeal of a wide variety of articles. A contributing factor in the interest in the pearly lacquers is the shortage of metal powders which have been used to produce somewhat similar effects.

Lacquers of this type can be produced with relative ease by the addition of pearl essences to lacquer formulations. Nitrocellulose lacquers are the best starting point for these pearly finishes, although special types of pearl essence are available for incorporation in cellulose acetate lacquers. Best results are reported to be obtained by adding the lacquer to the pearl essence and stirring continually until a homogeneous solution is obtained. The essences apparently do not affect the plasticity of the lacquers and are non-corrosive to metals.

U.S.I. will gladly refer readers to a source of pearl essences.

Improved Drying Oils

(*Continued from previous page*)

sium, and lithium are suggested as basic reagents, and ethanol and butanol as the non-aqueous mediums. When the oils are treated in this way, the conjugation of the double bonds proceeds rapidly, and the reaction is easily controlled. Results of tests performed on a variety of oils indicate that by continuing the process the amount of conjugation can be raised to any desired degree up to the theoretical maximum.

Because of their higher degree of conjugation, the treated oils are regarded as superior to natural oils as ingredients in film-forming compositions.

Cold-Weather Cement Mix

WASHINGTON, D. C.—Cement construction during cold weather is facilitated by mixing the cement with a non-aqueous liquid of low freezing point instead of with water, according to a recent patent. A typical liquid is a mixture of ethanol and methanol, with the preferred proportions ranging from 75 to 88% by volume of the ethanol. Mixtures of toluene with blends of ethanol and methanol can also be employed.

Charred Documents Made Legible by New Process

LONDON, England—A novel solution to one of the most difficult problems in crime detection—that of restoring the legibility of charred documents—has been described by research workers here.

The charred pages are covered with a 25% solution of chloral hydrate in alcohol, and dried at 140° F. The process is repeated several times until a mass of chloral hydrate crystals appears on the surface, and the paper is then given a final treatment with a similar solution to which 10% of glycerin has been added. After drying, the document can be photographed for permanent record.

New Uses for Phthalates

(*Continued from previous page*)

ers, because of their good solvent power, permanence, light-fastness, compatibility with other lacquer constituents, and freedom from color, odor, and taste.

The excellent solvent powers of butyl phthalate and amyl phthalate are a double advantage in lacquer formulations. They permit the use of smaller quantities of solvent per pound of the dry material, and they result in better flowing out and leveling in the later stages of film drying, so that less of the expensive slow-evaporating solvents need be used.

Both amyl phthalate and butyl phthalate have the effect of lowering the viscosity of nitrocellulose solutions, in contrast to blown castor oil, which actually increases the viscosity.

Uses of Ethyl Phthalate

While ethyl phthalate is also a good nitrocellulose plasticizer, it is less widely used for this purpose than the amyl and butyl esters, because of its somewhat higher vapor pressure. It is extensively used as a plasticizer for cellulose acetate plastics, as is methyl phthalate, and because of its fixative properties, it is often employed in perfumes. Other uses of ethyl phthalate include insecticide sprays and synthetic resins.

U.S.I. was responsible for the introduction of amyl phthalate, and has been a leader in consistently improving the quality of the butyl, ethyl, and methyl phthalates, so that today users are assured of products of a high degree of purity. U.S.I. welcomes the opportunity to give more detailed information on the alkyl phthalates for specific applications.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

New white pigments are 33% more effective in hiding power and opacity than previous types, according to the manufacturer, who describes the pigments as produced by altering crystalline structure of titanium dioxide. **(No. 470)**

U S I

A novel centrifuge is reported to embody the principle of retaining the tubes at a fixed angle, thus accelerating the rate of sedimentation compared with conventional centrifuges. Maker points out that because of fixed angle, particles need not pass through entire depth of liquid, but only to side of tube. **(No. 471)**

U S I

A viscosity tester is provided with a set of interchangeable spindles that are reported to permit readings up to 30,000,000 centipoises. Basis of operation is the measurement of the drag on a cylinder rotated at definite speed in the liquid under test. **(No. 472)**

U S I

A new paint is said to withstand the action of all acids, salts and alkalis, including concentrated nitric, sulphuric, hydrochloric, hydrofluoric, and chromic acids, but not concentrated acetic or formic acid. **(No. 473)**

U S I

A new mixer is said to be especially suitable for manufacturing paints, lacquers, dyes, emulsions, pastes, and many other products where a large number of relatively small batches must be prepared. Maker claims that it combines grinding, dispersing, and thinning operations. Mixer is used with removable containers with capacities of 5 to 50 gallons. **(No. 474)**

U S I

Impregnated graphite pipe is corrosion-resisting, does not contaminate hot hydrofluoric acid, phosphoric acid, or hydrogen peroxide, resists decomposition to 800° F. in an oxidizing atmosphere, can be used to 1,100° F. in non-oxidizing atmosphere, according to a recent announcement. Pipe fittings of the same material are available. **(No. 475)**

U S I

Concentration of solutions can be measured by a new instrument, which can be adapted to operate a signal or corrective means if concentration exceeds predetermined limits, it is reported. Instrument is said to operate by measuring the solution conductivity. **(No. 476)**

U S I

Water-coolers are now made explosion-proof, so that they may be safely used in paint factories, oil refineries, and other locations where conditions may be hazardous, it has been announced. **(No. 477)**

U S I

A synthetic rubber-like material is said to be available in the form of transparent or translucent films in a variety of colors. Suggested applications include waterproofing and packaging materials, electrical insulations, and laminating chemical containers. **(No. 478)**

U S I

A new moisture detector for determining if surfaces are dry enough for painting is said to be applicable to both plaster and wood surfaces. Moisture range is read directly. **(No. 479)**

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., N.Y. USI SERVICE TO INDUSTRY BRANCHES IN ALL PRINCIPAL CITIES

A SUBSIDIARY OF U. S. INDUSTRIAL ALCOHOL CO

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Methanol

Ethanol (Ethyl Alcohol)
Specially Denatured—All regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
U.S.I. Denatured Alcohol Anti-freeze
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
*Solox D-I De-icing Fluid

***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate

OXALIC ESTERS
Butyl Oxalate
Ethyl Oxalate

PHTHALIC ESTERS
Amyl Phthalate
Butyl Phthalate
Ethyl Phthalate
*Registered Trade Mark

PROPIONIC ESTERS
Amyl Propionate
Butyl Propionate

OTHER ESTERS
*Diatol
Ethyl Carbonate
Ethyl Chloroformate
Ethyl Formate
Ethyl Lactate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate

ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.

OTHER PRODUCTS
Acetone
*BK-5
Collodions
*Curbay B-G
*Curbay Binders
*Curbay X (Powder)
Derex
Ethylene
Ethylene Glycol
*Indalone
Methyl Acetone
Nitrocellulose Solutions
Potash, Agricultural
Urethan
*Vacatone

Methyl, anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 50 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .69 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .08½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.40 - 2.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee...ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works.....lb. .03 - —
refined, bgs., extra and returnable, c.l., wks..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works...ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
Wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk, powder, skimmed, roller, bbls., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —
spray, bbls., c.l.....lb. .09½- —
l.c.l. .....lb. .10½- —
unskimmed, roller, bbls., c.l., lb. .23 - —
l.c.l. .....lb. .24 - —
spray, bbls., c.l.....lb. .23½- —
l.c.l .....lb. .24½- —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¼- .02¾
hulled, bgs.....lb. .06¼- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .08½- —
f.o.b. Gulf ports.....gal. .08¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .08 - .09
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —

Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylaniliin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.60 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grains, bots..oz.30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —

Musk, synth., ketone, cns., 100 lbs. or more..lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .60 - .80
Mustard seed, California, brown. lb. .16 - .16¼
yellow, bgs.....lb. .16 - .16½
Chinese, yellow, bgs.....lb. .08½- .09
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27 - .28
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12¼- .12¾
Roumanian, yellow.....lb. .15 - .15½
Washington, bgs.....lb. .12¼- .12¾
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .10½

N

Naphtha, Painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .08¼-

Methyl Anthran.—Nitrocellu.

Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86¼- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works.....lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable

Here's another of Continental Can Company's full page, FULL COLOR ads designed to promote products that come in cans and boost business for our customers. This timely advertisement appears in the July 5th issue of the Saturday Evening Post in support of the oil industry. Free reprints may be had for the asking.

A GOOD POINTER FOR A SAFE "FOURTH"!

▶ According to reliable statistics, 2,687,372 of you Post readers own automobiles. And (according to equally reliable statistics) 2,687,372 of you will be driving places over the Fourth.

So here's a pointer. The *first* place to drive to is your service station. Make sure your trip is safe and enjoyable by having dirty, worn oil drained out of your car, and fresh, clean oil put in.

Thanks to motor oil in refinery-sealed cans, you'll get the exact brand and grade you pay for. And you'll get it in a container which keeps it free from dust, dirt and air. Enjoy a safe Fourth—and safe motoring!

Motor Oil—one of the many good things you buy in cans ✻

To the motorist of nine years ago, motor oil in refinery-sealed cans was a new idea. Today cans are the accepted "package"—and Continental leads in producing them for the motor-oil industry. Grease, hypoid lubricants and polishing wax are packed in cans, too, for your protection and convenience. What next? You'll find the answer in laboratories such as Continental's, where trained research men are busy every day on the packaging problems of industry. If there's any packaging problem in your business, here's a good place to bring it. Write to Continental Can Company, 100 East 42nd Street, N.Y.C. Fifty offices and plants in the U.S.A., Canada and Cuba.

CONTINENTAL CAN COMPANY

IF YOU PUT A PRODUCT UP . . . . PUT IT UP TO CONTINENTAL

Nitroethane—Oil, Palm

Nitroethane, l.c.l., dms., works, lb. .35 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill..unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No pr.ces
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .28 - —
Nutgalls, Alleppo, bgs., oz.....lb. No prices
Chinese .....lb. .26 - .28
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16¼
West Indian, bgs.....lb. .14¼- .14¾
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 —.12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works....lb. .03¾- —
tanks .....lb. .03 - —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.S..gal. .12½- —
l.c.l., G.S.....gal. .17 - —
tanks, G.S.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. No stocks
e.p.a., bots.....lb. 3.50 - 4.00
sweet, true, exp., cns.....lb. 1.70 - 1.90
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.25 - —
Angelica, root, bots.....lb. No stocks
seed, bots.....lb. 120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .85
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .75 - .85
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-60% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb. 20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .60 - .70
rect'fd., cns.....lb. 1.70 - —
Bois de rose, Brazil, cns....lb. 3.00 - 3.25
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .85 - 1.00
USP IX, cns.....lb. .87 - 1.10
USP X, cns.....lb. 1.10 - 1.25
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .22½- .28
dms. .....lb. .19½- .25
white, cns.....lb. .25 - .29
dms. .....lb. .22 - .26
Cananga, native, cns.....lb. 8.25 - 8.50
rectified, cns.....lb. 9.00 - 9.25
Oil, capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 4.75
Caraway USP, cns.....lb. 9.50 -10.00
Cardamom, bots.....lb. 22.00 -28.00
Cassia, USP, cns.....lb. 2.90 - 3.00
Castor, blown, one-way c.l..lb. .13¼- —
l.c.l. .....lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12 - —
l.c.l. .....lb. .12¾- —
cns. (1-gal.), l.c.l.....lb. .15½- —
dms. (returnable), c.l...lb. .11½- —
l.c.l. .....lb. .12¼- —
(3-gal.), l.c.l.....lb. .13½- —
tanks .....lb. .11 - —
dehydrated, dms., c.l.....lb. .1570- —
l.c.l. .....lb. .1610- —
tanks .....lb. .1500- —
extracted No. 3. tech., bbls., c.l..lb. .11½- —
l.c.l. .....lb. .12¼- —
dms. (returnable), c.l....lb. .11¾- —
l.c.l. .....lb. .12 - —
tanks .....lb. .10¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07¾- —
l.c.l. .....lb. .08¾- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l. .....lb. .11¾- —
80% (68% fat), dms., c.l..lb .11 - —
l.c.l. .....lb. .12 - —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.

Oil, cedarleaf, cs.....lb. .96 - 1.35
dms. .....lb. .93 - 1.30
Cedarwood, Southern, cns....lb. .29 - .32
dms. .....lb. .27 - .30
Celery, bots.....lb. 21.50 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .32 Nom.
tanks .....lb. .30½- .30½
Cinnamon, bark, bots.....lb. 9.75 -36.00
leaf, dms.....lb. .80 - 2.10
Citronella, Ceylon, cns.....lb. .55 - .57
dms. .....lb. .53 - .55
Java, cns., dms.....lb. .53 - .55
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms. .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07 Nom.
edible, 76°, dms., c.l.....lb. .13 Nom.
l.c.l. .....lb. .13½- .14
tanks .....lb. No prices
Cod, Newf., dms.....gal. .78 - .80
Codliver, med., USP, bb's...bbl. 80.00 -85.00
Coriander, bots.....lb. 17.00 -25.00
Corn, crude, tanks, works....lb. No prices
refd., bbls.....lb. No prices
Cottonseed, cooking, bbls....lb. .14¼- —
salad, bbls.....lb. .14½- —
Creosote (see C).
Croton, N.F., cns.....lb. 2.25 - 3.00
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb. 12.00 - —
Degrass (see D).
Dill seed, bots.....lb. 5.35 - 6.00
weed, bots.....lb. 5.60 - 6.00
Dip (see L).
Erigeron, cns.....lb. 1.50 - 2.25
Eucalyptus, cns.....lb. .66 - .70
dms. .....lb. .63 - .67
Fennel, sweet, cns.....lb. 2.00 - 2.35
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 12.50 -15.00
Bourbon, cns.....lb. 12.50 -15.00
Turkish (see Palmarosa)
Grapefruit, cns.....lb. 1.65 - 2.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.75 -10.00
Guaiac wood, concrete, bots..lb. 3.75 - 4.50
Haarlem, imp., bots.....gross. No prices
Halibut liver, ref., dms....gal. 40.00 - —
Hemlock, cns.....lb. .90 - 1.25
Juniper, berry, cns.....lb. 15.00 - —
wood, tech., cns.....lb. No stocks
Juniper tar, USP XI, dms...lb. .70 - .85
Lard, common, 1, bbls.....lb. .11½- —
2, bbls.....lb. .11¾- —
extra, bbls.....lb. .12 - —
1, bbls.....lb. .11¾- —
Winter, strained, bbls....lb. .12¼- —
prime, burning, bbls.....lb. .12¾- —
prime, ined., bbls.....lb. .12¾- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 6.00 - 6.25
Lavender flower, French, 50% ester, cns..lb. 10.75 -11.00
38-42% ester, cns.....lb. 10.00 -10.25
35-38% ester, cns.....lb. No prices
30-32% ester, cns.....lb. 7.25 - 8.00
Lavender, garden, cns.....lb. .65 - .70
spike, Spanish, tech., cns..lb. 2.55 - 3.00
dms. .....lb. 2.45 - 2.90
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns....lb. 5.50 - 6.50
Terpeneless, Type 1.....lb. 10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. 1.90 Nom.
Lime, dist., cns.....lb. 5.25 - 6.75
expressed, cns.....lb. 8.75 - 9.25
Terpeneless .....lb. 60.00 -65.00
Linaloe, wood, cns.....lb. 2.50 - 2.85
Linseed, raw, dms., c.l.....lb. .1130- .1150
l.c.l., 10 to 99.....lb. .1170- .1190
5 to 9.....lb. .1210- —
less than 5.....lb. .1230- —
tanks .....lb. .1040- .1060
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb. 85.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 200-300 vis., 2¼-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks..gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .17 - .22
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks..gal. .09½- .15
200-280 vis., 3, 15-25 pour, tanks..gal. .09½- .12
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks...gal. .22 - .24½
cylinder oils, 600-630 flash, tanks..gal. .13½- .16
600 - 650 steam ref'd, tanks..gal. .13 - .15
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .28 - .33
200 vis., 0-25 pour, tanks, gal. .30 - .35
Mace, dist., cns, dms.....lb. 2.30 - 2.65
Mandarin, Brazilian, cns....lb. 8.00 - —
Italian, coppers.....lb. 9.55 - —
Menhaden, crude, tanks, fut., Balto..gal. .60 Nom.
ref'd alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1040- —
tanks .....lb. .0940- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .23¾- —
extra, bbls.....lb. .12 - —
1, bbls.....lb. .11¾- —
prime, bbls.....lb. .12¼- —
pure, bbls.....lb. .17¾- —
Neroli, bots.....lb. 200.00 -375.00
Nutmeg, dist., cans., dms....lb. 2.30 - 2.65
Olticica, liquid, dms.....lb. .20 - .20¼
tanks .....lb. .19 - —
Oleo, 1, bbls.....lb. .11¾- —
2, bbls.....lb. .12¼- —
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 3.85 - 4.00
edible, Calif., dms.....gal. 5.00 - 5.25
imported, dms.....gal. 5.40 - 5.50
foots, dms.....lb. .16¾- .17¼
sulphonated, 50% (40% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
75% (63% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
80% (68% fat), dms., c.l..lb. No prices
l.c.l. .....lb. No prices
Orange, sweet, dist., cs.....lb. 1.40 - —
expressed, Calif., cns.....lb. 2.00 - —
Florida, cns.....lb. 2.85 - 2.90
Messina, USP, coppers...lb. 8.00 Nom.
West Indies, cns.....lb. 4.75 - 6.00
terpeneless .....lb. 42.00 -50.00
Origanum, cs.....lb. 1.50 - 2.45
Palm, Niger, dms.....lb. .06¾ Nom.
Sumatra, shipt., bulk.....lb. .06½ Nom.

DEVELOPING OUR *Domestic Source* OF RAW MATERIALS

IS AN *Important* PHASE OF OUR MANUFACTURING PROGRAM

The products immediately available will be of considerable interest to the perfumer. Here are just a few:

Cyclamal An Aldehyde of great strength, valuable in most floral compositions. For the finest perfumes as well as in soaps and cosmetics. Particularly valuable in odors of the type of Lily of the Valley and Lilac.

Citronal A fresh clean lemon odor of interest today because of the shortage of Oil of Bergamot and Oil of Lemon. Very stable and free from the objectionable by-odors found in Citral. Produces a lasting lemon odor in soaps and creams. Also of great interest in the manufacture of fine Eau de Colognes.

Floranol A single chemical with a fruity rose note. Mild, very persistent, harmonizes the other ingredients in a perfect composition. Soap fast. Often used in Tea Rose type soap odors. Will not discolor in creams or soaps.

Phenyl Acet Aldehyde Di Methyl Acetal Enjoying great popularity. Fine rose leaf note makes it very interesting in many floral compositions. Very lasting in soaps. Gives a pleasing lift to any odor.

Phenyl Ethyl Alcohol Extra Fine A special high grade for use in fine perfumes and cosmetics.

Ionone Complete and Ionone Methyl The basis of Violet odors.

Indol

Para Cresol Methyl Ether In Oil Ylang Ylang Artificial.

Para Cresol Ethyl Ether In Oil Ylang Ylang Artificial.

Ethyl Phenyl Glycidate A Pineapple Base.

Ethyl Phenyl Methyl Glycidate A Strawberry Base.

Hydratropic Aldehyde A Hyacinth aroma.

Di Methyl Acetal of Hydratropic Aldehyde Softer and more delicate than Hydratropic Aldehyde.

Product GL-4C A non-toxic wetting agent and detergent with excellent foaming qualities for liquid dentifrices, soapless shampoos, brushless shaving creams, etc.

The above products together with our already extensive list of American made aromatics enable the perfumer to create perfumes for soaps and cosmetics secure in the knowledge that his supply of raw materials will not be interrupted and that he can maintain a high standard for his finished product.

Aromatics Division

GENERAL DRUG COMPANY

644 PACIFIC STREET, BROOKLYN, N. Y.

9 SOUTH CLINTON STREET, CHICAGO TRANSPORTATION BUILDING, LOS ANGELES

1019 ELLIOTT STREET, W., WINDSOR, ONT.

Oil, palmarosa, cns.....lb. 3.20 - 4.00
Paraffin, 320° flash, 60-70 vis., tanks, G. S..gal. .05¼- —
350° flash, 70-80 vis.. tanks, G. S..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy..gal. .12 - —
100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
300° flash, 100-110 vis., tanks, G. S..gal. .05¾- —
Patchouli, bots cns.....lb. 4.85 - 8.00
Peanut, crude, nom, tanks...lb. No prices
refd., edible, bbls.....lb. No prices
Pennyroyal, dom., cns.....lb. 2.50 - 2.65
import, cns.....lb. 2.40 - 2.75
Peppermint, natural, cns., dms., lb. 3.40 - 3.50
redist., USP, cns., dms....lb. 3.65 - 4.15
Perilla, dms.....lb. .19½- .20
tanks .....lb. .18½- —
Petitgrain, Paraguay, cns...lb. 1.45 - 1.50
dms. .....lb. 1.40 - 1.45
Pimento berry, cns.....lb. 4.25 - 8.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.-dist., straw-color, dms., divd., E. ports..gal. .60 - —
steam-dist., dms.....gal. .61 - .65
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 1.45 - 1.85
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, Ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .14¾- .15
tax not incl., tanks.....lb. .09½- —
blown, dms.....lb. .17½ Nom.
Red, dist., or saponif., dms., divd..lb. .11 - .12
tanks, divd.....lb. .10¼- —
Rose, synth., bots.....lb. 4.00 -60.00
natural, coppers.....oz.16.75 -20.00
Rosemary, Spanish, cns.....lb. .88 - 1.03
dms. .....lb. .85 - 1.00
Rosin, 1st rectified, dms...gal. .41 - —
2d rectfd., dms.....gal. .43 - —
3d rectfd., dms.....gal. .47 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 7.50 Nom.
Sandalwood, domestic distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .60 Nom.
refd., alkali, dms.....lb. .1140- —
kettle-boiled, dms.....lb. .1240- —
light-pressed, dms.....lb. .1040- —
tanks .....lb. .0940- —
Sassafras, artif., cns.....lb. .76 - .80
dms. .....lb. .73 - .77
natural, cns., dms.....lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Shark liver, crude, dms..million vitamin units. .10 - —
Sesame, crude, coast, tanks..lb. .11 Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms..lb. .12¼ Nom.
tanks .....lb. .11 Nom.
refd., dms.....lb. .12¾ Nom.
tanks .....lb. .12 Nom.
Spearmint, dms.....lb. 2.45 - 2.80
Sperm, bleach, 38°, dms.....lb. .1220- —
45°, dms.....lb. .1150- —
natural, dms.....lb. .1100- —
Spruce, cns., dms.....lb. .85 - 1.25
Sweet, birch, North, cns....lb. 2.75 - 3.50
South, cns.....lb. 1.50 - 1.85
Tall crude, dms., c.l., works, ton. 40.00 - —
l.c.l., works.....ton.45.00 -50.00
tanks, works.....ton.30.00 - —
distilled, dms., c.l., divd...lb. .05½- .07
l.c.l., divd.....lb. .06½- .08¼
tanks, divd.....lb .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .03½- —
Tallow, acidless, bbls.....lb. .11½- —
tanks .....lb. .11 - —
Tansy, cns.....lb. 3.55 - 4.25
Tar, pine, com'l, dms., c.l., dlvd. E. cities..gal. .27 - —
E. ports, c.l.....gal. .26½- —
l.c.l. .....gal. .30 - —
tanks, dlvd. E. cities..gal. .21 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .21½- .22
refined, dms.....lb. .24 - .24½
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.40 - 2.25
white, cns.....lb. .95 - 2.50
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 7.25 - 7.75
Whale, ref., natural, dms..lb. .1010- —
winter, bleach, dms.....lb. .1050- —
Wheat germ, cns., dms.....gal.17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms..gal. .38 - .47
95-105 vis., dms.....gal. .43½- .52½
125-135 vis., dms.....gal. .49 - .58
140-150 vis., dms.....gal. .51 - .60
175-185 vis., dms.....gal. .54½- .63½
200-210 vis., dms.....gal. .57½- .66½
320-330 vis., dms.....gal. .65 - .74
335-345 vis., dms.....gal. .66 - .75
Russian, 80-90 vis., dms...gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
895-845 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots.....lb.35.00 -40.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines, ton.20.00 - —
200 mesh, c.l., mines....ton.17.00 - —
100 mesh, c.l., mines....ton.15.00 - —
20 mesh to dust.....ton.12.00 - —

Opium, gum, USP, 50-lb. lots, cns..lb.11.50 - —
25-lb. lots, cns.....lb.11.75 - —
5-lb. lots, cns.....lb.12.00 - —
1-lb. lots, cns.....lb.12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
Other points.....lb. .11¾- —
smaller lots, divd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12½- —
Colo., Mont., N. M., Wyo..lb. .12¾- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock.....lb. No prices
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07½- .08
Orris root, Florentine, bgs....lb. 2.00 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.25 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.

Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniiin, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniiin, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol,cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .00 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .21 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2..lb. .09 - —
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 2.30 - 2.60
Paprika, Algerian, bgs.....lb. .32½- .33
Bulgarian, bgs.....lb. .26 - .29
Portuguese, fancy, bgs.....lb. .33 - .33½
good, bgs.....lb. .26½- .27
Spanish, extra fancy, cs.....lb. .42 - .43
medium, cs.....lb. .40 - .41
Parachlorophenol, dms.....lb. .82 -

Oil, Palmarosa—Paraffi

Paracymene, refd., dms.....gal. .75 - 1.2
Paradichlorobenzene, dms, c.l..lb. .11 - .12
l.c.l. .....lb. .12½- .13
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .05¼ Nom.
bbls., c.l., N.Y.....lb. .05¼ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05¼ Nom.
bbls., c.l., N.Y.....lb. .05¼ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .05 Nom.
fully refd., 123-125 A.m.p., bgs., c.l..lb. .0570 Nom.
128-130 A.m.p., bgs. or loose, c.l..lb. .0570 Nom.
131-133 A.m.p., bgs. or loose, c.l..lb. .0595 Nom.
133-135 A.m.p., bgs. or loose, c.l..lb. .0625 Nom.
135-137 A.m.p., bgs. or loose, c.l..lb. .0650 Nom.
138-140 A.m.p., bgs. or loose, c.l..lb. .0725 Nom.
143-145 A.m.p., bgs. or loose, c.l..lb. .0820 Nom.
151-153 A.m.p., bgs. or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. higher than bags price; solid in tankcars is 5c. lower. Prices are for contract delivery.
match, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½-
semi-refd., solid, 122-124 A.m.p. bgs..lb. .06 Nom.

Exchange

OIL OF LEMON U·S·P·

Outsells ALL OTHER BRANDS COMBINED 3 to 1

Sold to the American Market Exclusively by

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

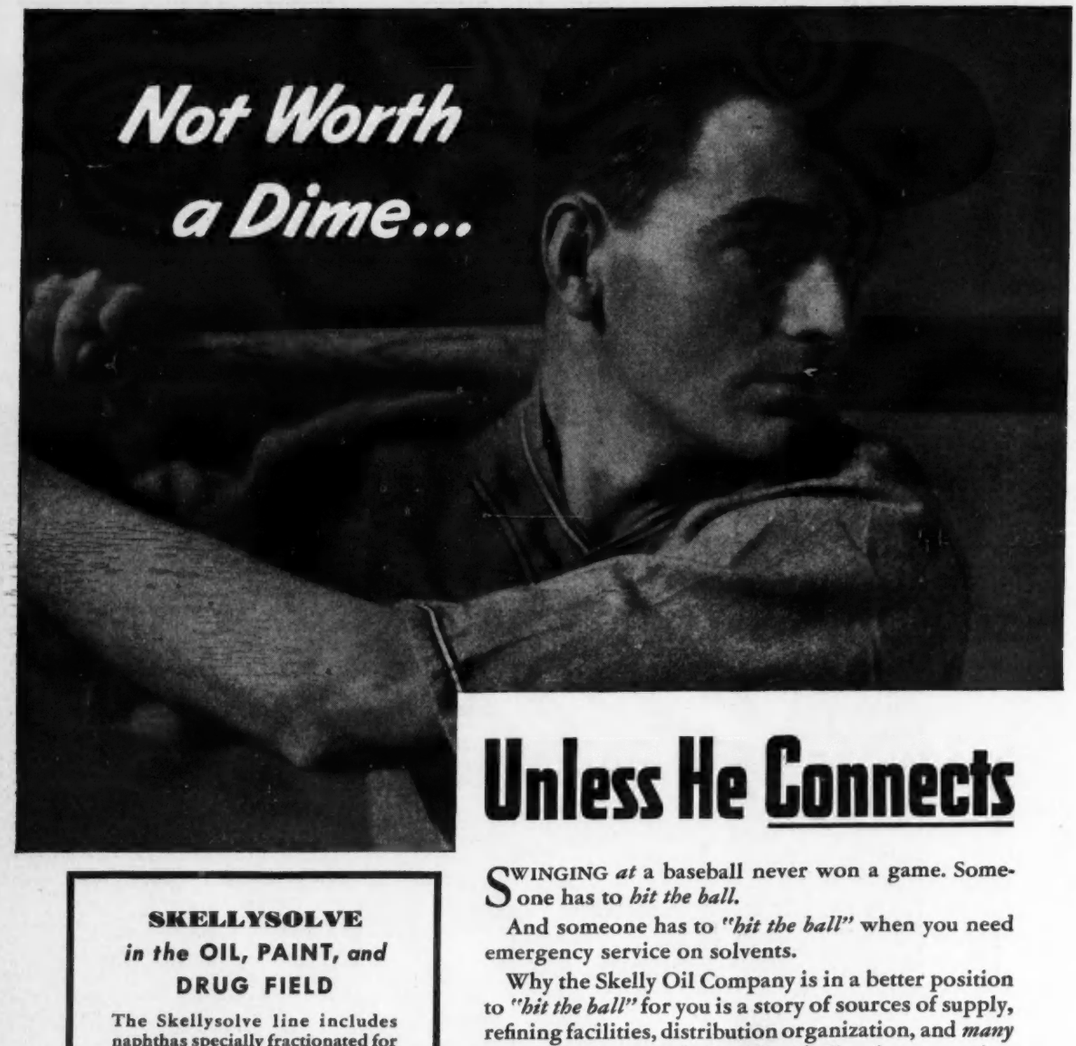
Paraformaldehyde—Petro.

Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C. ..lb. .23 - —
100 to 900 lbs. shipments, same basis..lb. .24 - —
Paraldehyde, tech., 99%, 55 and 110-gal. dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11½- —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroaniln, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls....lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.lb. .23 - .23
l.c.l., same basis.....lb. .24 - .26
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works, lb. .20 - .25
Pentaerythritol, C.P., bbls., dlvd., lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., dlvd.....lb. .33½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., dlvd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .11½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .07 - .08½
laboratory grade, dms., c.l., G.3, gal. .14 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bags..lb. .08 Nom.
Lampong, bags.....lb. .0550- .0580
Vellicherry, bags.....lb. .08 Nom.
white, Java, Muntok, bags..lb. .11 - .11½
Muntok, small berry, bags.lb. .10½- .11
red, chillies, Japan, Hontaka.lb. .21 - .22
Mombassa, bgs.....lb. .24½- .25
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .75 - .80
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas

Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.....lb. 1.25 - 1.30
Petrolatum, amber, dms.....lb. .03¼- —
l.c.l.....lb. .04¼- —
amber, extra, dms.....lb. .04 - —
l.c.l.....lb. .04½- —
white, cream, dms., c.l.....lb. .04½- —
l.c.l.....lb. .06 - —
lily, dms., c.l.....lb. .05¼- —
l.c.l.....lb. .06¾- —
snow, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06 - —
Petroleum, crude, bulk, at wells:—
California.....bbl. .43 - 1.71
Canada.....bbl. 1.08 - 1.70
Central West:—
Illinois.....bbl. 1.37 - —
Ohio.....bbl. 1.05 - 1.10
Michigan.....bbl. 1.17 - 1.44
Indiana.....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.45
Kentucky, Tennessee.....bbl. 1.22 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico.....bbl. No price
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning.....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
Petroleum, crude, bulk, at wells, Penna., S. W. Penn lines, bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .96 - 1.20
South Central and southwestern Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27
Ether, normal, tanks, G.3...gal. .09¾- —
dms., c.l., dlvd.....gal. .24 - —
l.c.l., 5 or more, dlvd...gal. .29 - —
1-5, dlvd.....gal. .38 - —
Petroleum, ether, laboratory grade, dms., c.l., G.3..gal. .14½- —
l.c.l., G.3.....gal. .25½- —
10-gal. lots, G-3.....gal. .36¼- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willbridge, Ore., Fort Wolle, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07¾- .08½
Benzol type, tanks..gal. .07¾- .08⅝
Mineral spirits, at refinery:—
California (f.o.b. San Francisco). 166-252 b.r., tanks, gal. .10¼- —
198-290 b.r., tanks..gal. .10¼- —
246-397 b.r., tanks..gal. .10¼- —
312-408 b.r., tanks..gal. .09 - —
362-458 b.r., tanks..gal. .09 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06½- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon:—
Albany.....gal. .13¼- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston.....gal. .13½- —
Bound Brook, North Amboy, N. J..gal. .13½- —
Bridgeport, Conn.....gal. .11½- —
Buffalo.....gal. .15½- —
Camden, N. J.....gal. .10 - .11½
Chicago.....gal. .1370- —
Decatur.....gal. .1810- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1520
Milwaukee.....gal. .1930- —
Minneapolis-St. Paul..gal. .19½- —
Newark.....gal. .09½- —
New York (200 gal)...gal. .10 - —
Omaha.....gal. .12½- —
Pittsburgh.....gal. .11½- .13½
Providence.....gal. .12 - —
Rochester.....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse.....gal. .10½- —
Trenton.....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .13 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport.....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax.....gal. .11 - —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
6, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond.....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle.gal. .11 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10 - —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis inc. 1c. tax..gal. .1370- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09 - —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06⅝- —
Tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax. gal. .1840- —



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SWINGING *at* a baseball never won a game. Someone has to *hit the ball.*

And someone has to *"hit the ball"* when you need emergency service on solvents.

Why the Skelly Oil Company is in a better position to *"hit the ball"* for you is a story of sources of supply, refining facilities, distribution organization, and *many years' experience at the bat!* The Skellysolve reputation for coming through was not made by fanning out in the pinches.

Take a moment now to drop a line and get the information about Skellysolve and Skellysolve Service. The day may come—and most likely will—when you'll be mighty glad you did.

Phone, write, or wire the address below.

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in the **OIL, PAINT,** *and*
DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Petroleum, solvent, Stoddard, tankwagon, Evansville, Ind., ex tax..gal. .14 - .15
Milwaukee, inc. 3c. tax.gal. .1950-
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .10 - —
Omaha .....gal. .1360-.1450
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12½- —
l.c.l., same basis.....lb. .13½- —
under 1,000 lbs.....lb. .14¼- —
tanks, works.....lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,060-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots. .....lb. 4.00 - 4.10
Dimethylacetate, cns. .....lb.14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots, lb. 4.55 - —
hydrochloride, CP, bots, works, lb. 7.10 - —
commercial, kgs, works.....lb. 1.75 - —
Phlorogiucinol, CP, tins, wks..lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. No prices
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, 72% min., bulk mines..long ton. 2.50 - —
Tenn., 72% bulk, mines..... long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms, works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14¼- —
l.c.l., same basis.....lb. .15¼- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride bots., vls..oz. 3.25 - 3.75
Nitrate, bots., vls.....oz. 3.25 - 3.75
Pimento, Jamaican, bgs.....lb. .29 - .30
Mexican (see Allspice, Mexican)
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas)
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .42 - .44
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .16
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spots, c.l., works.lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms. .....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.90
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Gualacosulphonate, fib. dms., 100-lb. lots..lb. 1.00 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks ons., 100 lbs. to 1,000 lbs..lb. .82 - .84

Potash, hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - -
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports, ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports, unit-ton. .60 - —
f.o.b. Carlsbad, N.M..unit-ton. .20 - .21
import, 80%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports, unit-ton. .56 - .58
min. 60% K_2O, same basis, unit-ton. .53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit K_2O less than the ex-vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.l.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms., wks. lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Prussiate, red., bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —

Potash, silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk, basis 90%, K_2SO_4, ex-vessel, ports, ton.36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex-vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .28
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - -
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No. prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices

Pet., Solvent—Pyrocatechin

Pumice stone, Italian, Amer.-grd., O, O—½, O—⅝, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-20 tons, ex whse.. ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
1 to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.40 - 4.60
(30 to 1), 3 grams pyrethins per 100 cc., dms., dlvd..gal. 6.60 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .22 - .23
Pyridin, denaturing, dms....gal. 1.71 - -
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 -

RCI

Chemical Colors

C.P. Chrome Yellows

RCI Chrome Yellows are typical of the high standard of quality inherent in the complete RCI chemical color line.

They have good resistance to light when used full strength or in tints, relatively good acid resistance, good tinting strength and easy grinding and dispersion.

In addition, exhaustive research has shown that No. 1085 C.P. Chrome Yellow Medium, No. 2010 Chrome Orange Light and No. 2020 C.P. Chrome Orange Medium are the most versatile yellow pigments available for the compounding of coatings which must meet Government specifications.

Write for more complete technical information on these outstanding pigment colors.

REICHHOLD CHEMICALS, INCORPORATED, CHEMICAL COLOR DIVISION

Factory: BROOKLYN, N.Y. General Offices: DETROIT, MICH.

Pyrophylite—Soap Bark

Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 2, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs.,works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works. lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05½- —
tanks, works.....lb. .04¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
pwd., bgs., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10½- —
Queen of the meadow leaves, bgs.lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .24 - —
extract, bgs, No. 1.....lb. .09 - —
No. 2.....lb. .08½- —
No. 3.....lb. .08 - —
solid, bxs.....lb. .17 - —
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y...flask.186.00 -188.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance...flask.250.00 Nom.
ex store.....flask.252.00 Nom.
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8¼c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .69 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydriodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Quinine, valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 - —

Quinine buyers must pay a surcharge of 8¼c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .55 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs..lb. .06½- .07
medium, recleaned, bags..lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
light shade, bbls., ton lots. same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis.lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Selenide, bbls., light, works.lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - -
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .09½- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 2.79 - —
smaller lots.....lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .62 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
l.c.l., works.....lb. .09¾- —
Red, oxide, reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¾- —
80% copperas oxide, bbls., same basis..lb. .08¼- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. No prices
ex whse., Chicago, St. Louis..lb. No prices
San Fran., Los Angeles, Portland, Seattle..lb. No prices
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .03¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N. Y..lb. .04¾- —
l.c.l.....lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N. Y..lb. .04½- —
l.c.l.....lb. .04⅝- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .43
Riboflavin .....gram 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .43
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.37 - —
E, bbls.....100 lbs. 2.48 - —
D, bbls.....100 lbs. 2.48 - —
F, bbls.....100 lbs. 2.51 - —
G, bbls.....100 lbs. 2.51 - —
H, bbls.....100 lbs. 2.51 - —
I, bbls.....100 lbs. 2.51 - —
K, bbls.....100 lbs. 2.56 - —
M, bbls.....100 lbs. 2.62 - —
N, bbls.....100 lbs. 2.73 - —
W. G., bbls.....100 lbs. 2.88 - —
W. W., bbls.....100 lbs. 3.09 - —
X, bbls.....100 lbs. 3.09 - —
wood, F.F., bbls.....100 lbs. 1.70 - 2.15
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .28
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.03 - —
dms.....lb. 1.00 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. .90 - 1.00
Spanish, bls.....lb. No stocks
Sago, flour, bgs.....lb. .05½- .06
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton.14.20 - —
l.c.l., bgs., dlvd. N. Y...ton.16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.18.20 -21.30
Saltcake, dom., bulk, works.ton.13.00 Nom.
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons.... 100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons 100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo.170.00 Nom.
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .20 - .22
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .13 - .14
Pods, bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
f.o.b. N.Y...lb. .31 - —
Shellac, bleached, bonedry, bbls. dlvd., Boston.....lb. .35 - —
Chicago.....lb. .35½- —
Pacific Coast.....lb. .37½- —
rfd., bbls., f.o.b. N. Y.....lb. .41 - —
dlvd., Boston.....lb. .41½- —
Chicago.....lb. .41¾- —
Pacific Coast.....lb. .45 - —
Garnet, bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond (cs.. lb. .38 - .39
Superfine, bgs., f.o.b. Boston, N. Y..lb. .29 - .30
dlvd., Chicago.....lb. .29½- .30½
Pacific Coast.....lb. .32 - .33
T. N., bgs, f.o.b. Boston, N. Y., lb. .28 - .29
dlvd., Chicago.....lb. .28½- .29½
Pacific Coast.....lb. .31½- .32½
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.45 - 1.50
4½-lb. cut, bbls.....gal. 1.40 - 1.45
4-lb. cut, bbls.....gal. 1.35 - 1.40
white, 5-lb. cut, bbls.....gal. 1.55 - 1.60
4½-lb. cut, bbls.....gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works.ton.35.00 - —
smaller lots, works.ton.38.00 - —
wet-grd., 96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, vis.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .13
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .06 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17

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Chemical Industries, April, 1941

Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04¼- .05
l.c.l., dlvd..lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - —
99%, dms., c.l., dlvd.....lb. .06 - .06½
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works..lb. .39 - .70
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07¼- —
l.c.l., dms., works.....lb. .08 - .08½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....lb. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks., lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Bifluoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- —
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- —
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
38 deg., bbls., c.l., works... 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —

Soda, caustic, solid, 76% ammon., process, dms., c.l., works, 100 lbs. 2.80 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

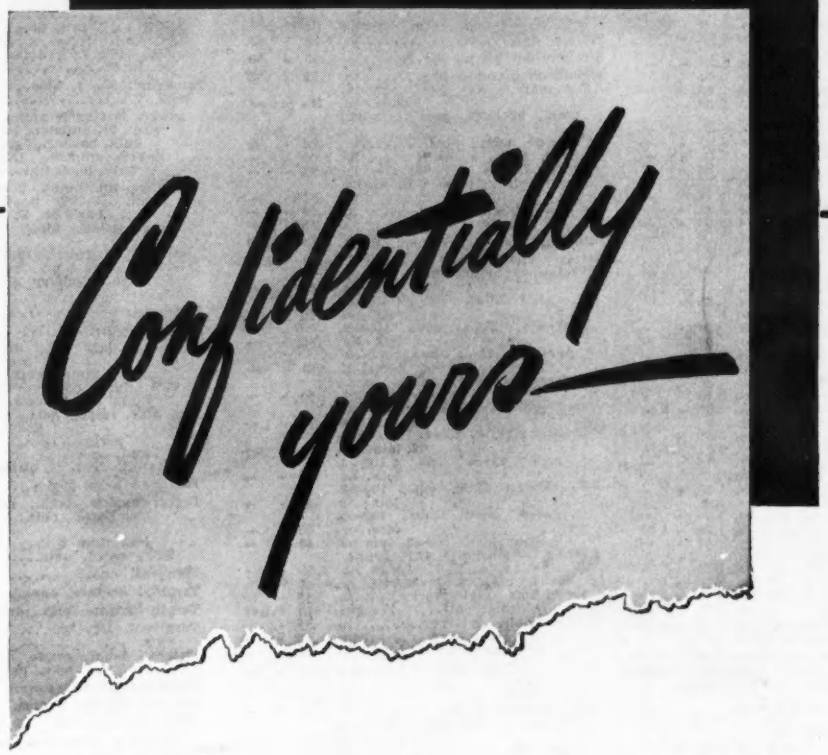
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09½- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices

Soda, diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - .08
l.c.l., 10 or over, same basis..lb. .07½- .08½
1-9, same basis.....lb. .08 - .09
95%, bbls., c.l., same basis.lb. .07¼- .08¼
l.c.l., 10 or over, same basis..lb. .07¾- .08¾
1-9, same basis.....lb. .08¼- .09¼
Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd, 100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60

Soda Acetate—Soda Naphthionat.

Soda hyposulphite, pea, 2,500 to 5,000 lbs., bgs., works.100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.40 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.58 - 2.67
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis... 100 lbs. 4.80 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.25 - —
Molybdate, anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —



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Soda Nitrate—Urea-Ammo.

Soda, nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
refd., gran., bbls., 10 tons.... 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .42 - —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs.. bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - —
l.c.l., works.....100 lbs. 6.35 - —
bbls., c.l., works...100 lbs. 5.60 - —
l.c.l., works.....100 lbs. 6.55 - —
cryst., tech., bgs., c.l., wks., 100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.60 - —
bbls., c.l., works...100 lbs. 2.40 - —
l.c.l., works.....100 lbs. 2.80 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works....100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works...lb. 2.35 - —
l.c.l., works.....100 lbs. 2.75 - —
bbls., c.l., works...100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
kegs., c.l., works...100 lbs. 2.95 - —
l.c.l., works...100 lbs. 3.45 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11¼- .16
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10¼- —
contracts .. ..lb. .09¼- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized, 100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd., N. Y.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —...
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
62°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .12 - .15
Stannate, dms.....lb. .34 - .37
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, exsiccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10¾
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs. works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .29
Sulphocyanide, dms., cns...lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05¼- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton.37.70 - —
protein, bgs., c.l., works....lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. .40 - .42
powd., bbls., bxs.....lb. .50 - .52
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago. 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l. .0710- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09¾- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .52 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Stroly: acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns.. 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots..oz. .40 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .18 - —
l.c.l., 10 or over.....lb. .19 - —
less than 10.....lb. .20 - —
Sulfaquanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-gram bots..ea. .50 - —
Sulfathiazole, 5-gm., bot....ea. .42 - —
Sesquicarbonate, 5-gm. bot....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, ex tract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l, bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bble., c.l., mine.....100 lbs. 2.30 - —
l.c.l. mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls, No. 1.....lb. .08 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs. lb. .06¾- .07¼
medium, bgs..... lb. 06 - 06¼
poultry, Argentine.....lb. .05 - .05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Aluminum, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .07¾- —
special, loose.....lb. .07⅝- —
sulphonated, 33% (24% fat), dms., c.l..lb. .05 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 3.25 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.00 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N. Y. unit-ton. 3.50 & .10
high-grade, bulk, Chicago, unit-ton. 4.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 3.00 Nom.
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .05 - .06½
Tar acid oil, 15%, dms., c.c., works, gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .44¾- —
less than 5.....lb. .45 - —
USP, powd, bbls.....lb. .50 - —
Terebene, cns.....lb. .90 - .92
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21¼- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 3.00 Nom.
Sodiosalicylate, dms.....lb. 2.03 - —
Thiamine hydrochloride, bots., cns, gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .65 - .67
Spanish, bls.....lb. .20 - .21
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin, chloride (ous), anhyd.....lb. .48½- .49
Crystals, bbls., bgs.....lb. .39½- .40
Metal, Straits.....lb. .52⅜- —
Oxide, bbls.....lb. .55 - .57
Tetrachloride, anhyd., bbls..lb. .28½- —
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons), lb. .16½- —
l.c.l., 5 tons, single delivery, lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l., (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼- —
1,000-9,999 lbs.....lb. .15½- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15¼- —
l.c.l., 5 tons, single delivery, lb. .15½- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
Titanium, calcium base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33⅛- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld., lb. .09 - —
l.c.l., same basis.....lb. .09¼- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40¼- .51⅛
dms., c.l., dlvd.....lb. .37½- —
Tricresylphosphate, tech., dms..lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .32 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, oms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .35 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07½- .08
Turpentine, spirits, gums, bbls., c.l., ex dock..gal. .48 - —
l.c.l., 10 ex dock....gal. .50 - —
5 ex dock.....gal. .52 - —
wood, dest., dist., dms., dlvd. E. ports..gal. .33 - .35
tanks, dlvd. E. cities....gal. .28 - —
steam-dist., dms., c.l., dlvd.gal. .44 - —
l.c.l., dlvd.....gal. .47 - —
tanks, dlvd.....gal. .39 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W, Va., ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia liquor, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.57.40 - —
bags, same basis.....ton.59.40 - —

We take a Tip from the Circus

The Story of a Problem in Shipping Containers

YEARS AGO, the circus found out:

—how to stow elephants in box cars,

—how to fasten heavy animal cages to flat cars,

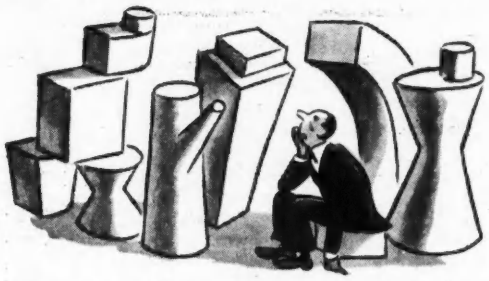
—how to pack 1000's of yards of canvas.

And all to the end that this property would arrive at the next town in undamaged condition.

Now, believe it or not, American Can Company has long had an equally complicated shipping problem.

Naturally, we don't ship elephants, tent canvas, or caged animals. But we *do ship* objects which are in themselves just as various in size and shape. Which are just as difficult to stow in freight cars. Which have just as diverse handling problems. *And which, indeed, are probably more easily damaged in transit than a circus's property.*

These objects are tin containers. Round ones. Flat ones. Square ones. Containers with spouts. Containers made of fiber. Containers in almost as many shapes and sizes as there are solids in a geometry text book.



So, taking a tip from the circus, we decided to find out the best way to stow and brace these products in freight cars. *And all to the end that containers would arrive at the customer's warehouse in undamaged condition.*

The problems we ran into were not easy ones to solve.

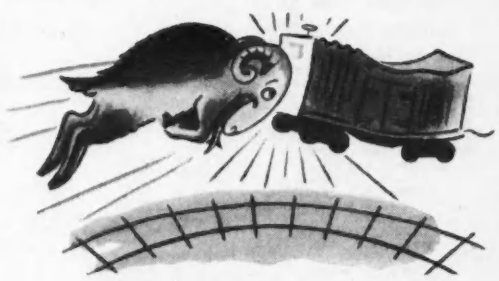
For, as you probably know, freight cars themselves differ in size. As you probably don't know, they vary in length from 30 feet to 60 feet and in width from 8 feet 5 inches to 9 feet 2 inches. And we soon found out that stowing any one type of container in any one type of freight car was a problem in itself.

All right. But there are thousands of types of containers. And many types of freight cars. *That* makes a whale of a lot of ways of stowing and bracing shipments.

Then, there are what traffic people call "mixed shipments." Different types of containers in the same car. And this, too, we had to work out for all types of freight cars and all probable combinations of containers that would be loaded in them.

To keep ourselves from getting dizzy, we wrote down all the different methods of stowing and bracing containers. When we got through, we had two, good-sized volumes . . . each about as heavy and as thick as a New York or Chicago telephone directory.

But all this was "theory" and, not content with it, we tested it out in sample freight cars with sample loadings at our switching yards.



There, day after day, the railroad butted these sample cars around. Gave them far more jouncing than they'd ever get in actual transit. And only when a car came through this practical "billy goat" test with flying colors, would we O. K. the stowing and bracing method as "sufficient."

Today, American Can customers have a minimum of headaches from shipments arriving at their warehouses in less than perfect condition. *American Can Company, 230 Park Avenue, New York, N. Y.*

CANCO

Other "Plus's" American Can Offers To Its Customers

- 5 laboratories employing 134 people with college training, academic, or professional degrees in the pure, natural, or engineering sciences.
- 13 points from which customers' machinery is serviced . . . 6 points at which customers' machinery is built.
- 67 plants located strategically in the U. S., Canada, and Hawaii.
- A factory-trained sales staff who are specialists in many different types of industry.
- An executive personnel backed by a financial strength that is in itself a tangible business asset.

AMERICAN CAN COMPANY

230 Park Avenue, New York, N. Y.

Urea-Ammo.—Beckacite

Urea - ammonia liquor, basis, 45% N., tanks, f.o.b. issue, W. V., or Atl., Gulf ports, ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .16 Nom.

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .35 - .37
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .25
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .0460-.04475
liquid, tanks.....lb. .05 - —
bbls.....lb. .05¾- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17¼- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .43 - .44
cake, cs.....lb. .44 - .45
discs, cs.....lb. .45 - .46
yellow, crude, Africa, 10-bg. lots..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .39 - .40
Candelilla, bgs., 1 ton.....lb. .22½- .23
jobbing lots.....lb. .23 - .23½
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .66 Nom.
5 bgs.....lb. .66½ Nom.
1 bg.....lb. .67 Nom.
N. C., 2, bgs., 1 ton.....lb. .74 Nom.
N. C., 3, bgs., 1 ton.....lb. .68 Nom.
5 bgs.....lb. .68½ Nom.
1 bg.....lb. .69 Nom.
refined, bgs.....lb. .73 Nom.
yellow, No. 1, bgs., ton....lb. .75 Nom.
5 bgs.....lb. .75½ Nom.
1 bg.....lb. .76 Nom.
No. 2, bgs.....lb. .74 Nom.
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12⅛
150°-160° m.p., bgs., 1 ton..lb. .12 - .13⅛
jobbing lots.....lb. .14 - .14⅛
160° m.p., bgs., 1 ton.....lb. .14 - .14⅛
jobbing lots.....lb. .15 - .15⅛
Japan, cs.....lb. .18 - .18⅛
Montan, bgs., c.l.....lb No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works.....ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works..ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.50 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Whiting, chalk, limestone, gilders, extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works..ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .60 - .65

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minneapolis, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
3°, dms., returnable, works..gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.45 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.57 - —
smaller lots.....lb 2.59 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06½
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0345- —
l.c.l.....lb. .0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02⅝ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02⅝ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh.....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅝ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y., lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis.....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd..lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290-
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars.....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - 25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd.....lb. .07 - —
leaded, 5%, bgs., c.l., dlvd, lb. .06¾- —
l.c.l., dlvd.....lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd.....lb. .06¾- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd.....lb. .06½- —
50%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd.....lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd.....lb. .03½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .08¼- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l., dlvd...lb. .08½- —
l.c.l., dlvd....lb. .08¾- —
red seal, bgs., c.l., dlvd..lb. .07¾- —
l.c.l., dlvd.....lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd.....lb. .08¼- —
white seal, bgs., c.l., dlvd, lb. .08¾- —
l.c.l., dlvd.....lb. .09 - —
bbls., c.l., dlvd...lb. .09 - —
l.c.l., dlvd.....lb. .09½- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse., lb. No prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ½c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., one ton..lb. .27 - —
smaller lots.....lb. .28 - —
USP, bbls.....lb. .25 - .27
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.15 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.40 - —
flake, bgs., c.l.....100 lbs. 3.80 - —
l.c.l. .....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.35 - —
l.c.l. .....100 lbs. 6.10 - —
bbls., c.l.....100 lbs. 5.60 - —
l.c.l. .....100 lbs. 6.35 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd.....lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd.....lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
calcium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
magnesium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd.....lb. .05¾- —

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100 00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., dms., f.o.b. cars, destination, zone 1..lb. .07½- —
l.c.l., lots of 10 dms., same basis..lb. .08¾- —
single dms., same basis....lb. .09¾- —
smaller lots, f.o.b. Hercules, Del..lb. .14¾- —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10025, bbls., 30,000 lbs., works, lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
carbic anhydride base, oil modified, BR, 13630, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
14590, 30,000 lbs., works..lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified, BR, 13202, bbls., 30,000 lbs., works..lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
dispersion resin, BK, 3902 dms., 30,000 lbs., works..lb. .2630- —
15,000 lbs., works.....lb. .2680- —
5,000 lbs., works.....lb. .2730- —
6791, dms., 30,000 lbs., works, lb. .2690- —
15,000 lbs., works.....lb. .2740- —
5,000 lbs., works.....lb. .2790- —
XK, 14504, dms., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
15346, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
lacquer, BR, 9366, dms., 30,000 lbs., works..lb. .18½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
BJ, 15408 dms., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .25 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XR, 3180, dms., 30,000 lbs., lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .42½- —
5,000 lbs., works.....lb. .43 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
9432, bbls., 30,000 lbs., works..lb. .31 - —
15,000 lbs., works.....lb. .31½- —
5,000 lbs., works.....lb. .32 - —
9434, bbls., 30,000 lbs., works..lb. .20 - —
15,000 lbs., works.....lb. .20½ —
5,000 lbs., works.....lb. .21 - —
10282, bbls., 80,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
14634, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
oil modified, BR, 302, bbls., 30,000 lbs., works..lb. .3160- —
15,000 lbs., works.....lb. .3210- —
5,000 lbs., works.....lb. .3260- —
2175, cns., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .33½- —
5,000 lbs., works.....lb. .34 - —
resin, BR, 2963, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
11504, bbls., 30 000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .2070- —
15,000 lbs., works.....lb. .2120- —
5,000 lbs., works.....lb. .2170- —
13574, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
Beckacite, modified phenolic, 1100, dms., 1-9, frt. pd..lb. .15½- —
1101, dms., 1-9, frt. pd.....lb. .14 - —
1102, dms., 1-9, frt. pd.....lb. .13½- —
1106, dms., 1-9, frt. pd.....lb. .15 - —
1107, dms., 1-9, frt. pd.....lg. .14 - —
1108, dms., 1-9, frt. pd.....lb. .12½- —
1112, dms., 1-9, frt. pd.....lb. .15½- —
1113, dms., 1-9, frt. pd.....lb. .13 - —
1116, dms., 1-9, frt. pd.....lb. .15½- —
P-146, dms., 1-9, frt. pd....lb. .13 - —
P-147, dms., 1-9, frt. pd....lb. .13½- —
1121, dms., 1-9, frt. pd.....lb. .18½- —
1122, dms., 1-9, frt. pd.....lb. .15½- —
1123, dms., 1-9, frt. pd.....lb. .15½- —
1124, dms., 1-9, frt. pd.....lb. .16½- —
nonphenolic, 1110, dms., 1-9, frt., pd..lb. .14½- —
1111, dms., 1-9, frt. pd.....lb. .14½- —
1114, dms., 1-9, frt. pd.....lb. .14½- —
1120, dms., 1-9, frt. pd.....lb. .14½- —

Beckacite prices in lots of 10 dms., or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. These prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ark., Iowa, Kans., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

NEO-FAT ★ ★ ★

When we built our first commercial fractional distillation plant to produce NEO-FATS, we counted on industrial research to create demands for our output.

We were confident that this research, seeking purer fatty acids and tailor-made oils to meet the exacting requirements of the resin, varnish, rubber, lubricant, and other industries, would find consumers for NEO-FATS.

It certainly did. Today, although this same plant has been operating continuously for many months, our greatest problem is still to keep up with the increasing popularity and resultant demands for NEO-FATS.

★ ★ ★

A year ago we foresaw this situation and began building a new production unit. We had hoped to announce March 1st that this plant was ready to go into operation.

But special alloys and machinery became increasingly hard to get. We had to adjust ourselves to these conditions and postpone the date of opening. We now expect our plant to be operating in November, 1941.

We have had to disappoint some of our old friends who have developed requirements far beyond their expectations and many new friends whom we are unable to supply at all, due to the inadequacy of our present production facilities.

★ ★ ★

You who are regularly using NEO-FATS are assured that we are doing everything we can to supply your requirements.

★ ★ ★

You who have not yet discovered the remarkable advantages of NEO-FATS are invited to request samples. By the time your tests are completed, our second plant will be producing for your needs. Meanwhile, we ask the indulgence and continued cooperation of all of you.

We have pledged our fullest support to the national defense program. We know that you have done this, too, and that your NEO-FAT needs may be stepped up considerably because of defense orders. We want you to know that we are putting forth every effort to supply your new demands for NEO-FATS.

NEO-FAT
U. S. REGISTERED TRADEMARK

J. M. Flack
GENERAL MANAGER

ARMOUR AND COMPANY *Neo-Fat Division* 1355 WEST 31ST STREET • CHICAGO

Beckamine—Staybelite

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .23½- —
P-2, dms., 1-9, frt. pd.....lb. .14 - —
P-138, dms., 1-9, frt. pd....lb. .22½ —
P-196, dms., 1-9, frt. pd....lb. .25 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .18½- —
No. 27, light, dms., 1-9, frt. pd., lb. .20½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .18½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .14 - —
1501, dms., 1-9, frt. pd.....lb. .15 - —
Solid, 1, dms., 1-9, frt. pd...lb. .29 - —
3, dms., 1-9, frt. pd.....lb. .26 - —
7, dms., 1-9, frt. pd.....lb. .26 - —
13, dms., 1-9, frt. pd.....lb. .27 - —
18, dms., 1-9, frt. pd.....lb. .25 - —
19, dms., 1-9, frt. pd.....lb. .29 - —
23, dms., 1-9, frt. pd.....lb. .29 - —
31, dms., 1-9, frt. pd.....lb. .26 - —
32, dms., 1-9, frt. pd.....lb. .26 - —
34, dms., 1-9, frt. pd.....lb. .28 - —
40, dms., 1-9, frt. pd.....lb. .22 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .18½- —
1319, dms., 1-9, frt. pd..lb. .20½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
1940, dms., 1-9, frt. pd..lb. .11½- —
1941, dms., 1-9, frt. pd..lb. .11½- —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .15 - —
1304, dms., 1-9, frt. pd..lb. .15½- —
1320, dms., 1-9, frt. pd..lb. .15½- —
1325, dms., 1-9, frt. pd..lb. .15½- —
1328, dms., 1-9, frt. pd..lb. .15 - —
1329, dms., 1-9, frt. pd..lb. .13 - —
wrintex, dms., 1-9, frt. pd. lb. .18 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .15½- —
2, dms., 1-9, frt. pd.....lb. .15½- —
1316, dms., 1-9, frt. pd..lb. .16½- —
1326, dms., 1-9, frt. pd..lb. .16½- —
P-239, dms., 1-9, frt. pd..lb. .13½- —
pure, alkyd., 1306, dms., 1-9, frt. pd..lb. .15 - —
1307, ex. lt., dms., 1-9, frt. pd..lb. .15½- —
light, dms., 1-9, frt. pd.lb. .15½- —
1308, dms., 1-9, frt. pd...lb. .16½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .14½- —
1318, dms., 1-9, frt. pd...lb. .18½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .16½- —
light, dms., 1-9, frt. pd.lb. .16½- —
1324, dms., 1-9, frt. pd...lb. .27½- —
1331, dms., 1-9, frt. pd...lb. .14½- —
1331-B, dms., 1-9, frt. pd.lb. .15½- —
1332, dms., 1-9, frt. pd...lb. .14½- —
1333, dms., 1-9, frt. pd...lb. .15½- —
1334, dms., 1-9, frt. pd...lb. .14½- —
P-7, dms., 1-9, frt. pd...lb. .16½- —
P-48, dms., 1-9, frt. pd...lb. .14½- —
P-94, dms., 1-9, frt. pd...lb. .16½- —
P-238, dms., 1-9, frt. pd..lb. .19½- —
P-270, dms., 1-9, frt. pd..lb. .16½- —

Beckosol, solid, prices in lots of 10 dms. or more are ¾c. per lb. less than above; in carloads, 1½c. per lb. less, prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Copene resin, dms., works.....lb. .20 - —
Cumar, AX, dms., works.....lb. .06 - —
BX .....lb. .09 - —
CX, gross weight.....lb. .05 - —
DX, gross weight.....lb. .04½- —
EX, gross weight.....lb. .04½- —
FX, gross weight.....lb. .05 - —
MH col. 1.....lb. .11 - —
1½-2 .....lb. .10 - —
2½-3½ .....lb. .09 - —
9 .....lb. .06 - —
MS .....lb. .10 - —
P 10°-90° C., col. 2½ and darker..lb. .10 - —
RH .....lb. .10 - —
RS .....lb. .10 - —
Special soft.....lb. .10 - —
V col. ½.....lb. .12 - —
1 .....lb. .11 - —
1½-2 .....lb. .10 - —
2½ and darker.....lb. .09 - —
W col. ½.....lb. .13 - —
1 .....lb. .12 - —
1½-2 .....lb. .11 - —
2½ and darker .....lb. .10 - —

Cumar resins are delivered in drums, f.o.b. Frankford, Pa., freight equalized with Pittsburgh; prices on contract are ¼c. per pound lower.

D

Durite, 1,301, pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, alkyd solution, A, c.l., dlvd..lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
B, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
E, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
H-1, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
PV, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .14¾- —
9 dms. or less, dlvd....lb. .15¼- —
11, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
22, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd....lb. .11½- —
22-B, c.l., dlvd.....lb. .09 - —
10 dms. or more, dlvd....lb. .09½- —
9 dms. or less, dlvd....lb. .10 - —
Esterol, 33, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
44, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
44-B, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —
55, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
502, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd....lb. .15 - —
640-N, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd....lb. .14 - —
660-N, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
750, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms., or less, dlvd....lb. .16 - —
830, c.l., dlvd.....lb. .14½- —
10 dms. or more, dlvd....lb. .15 - —
9 dms. or less, dlvd....lb. .15½- —
1800, c.l., dlvd.....lb. .12¾- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd....lb. .13¼- —
1825, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd....lb. .16 - —
2185, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
2195, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd....lb. .14½- —
2600, c.l., dlvd.....lb. .16 - —
10 dms. or more, dlvd....lb. .16½- —
9 dms. or less, dlvd....lb. .17 - —
2633, c.l., dlvd.....lb. .12½- —
10 dms. or more, dlvd....lb. .13 - —
9 dms. or less, dlvd....lb. .13½- —
2728, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms, or less, dlvd....lb. .14 - —
2775-BS, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd....lb. .13 - —

F

Flexalyn solution, dms., c.l., f.o.b. cars, destination, zone 1.lb. .12½- —
l.c.l., 10 dms., same basis..lb. .13¼- —
single dms., same basis..lb. .14¾- —
smaller lots, f.o.b. Hercules, Del..lb. .19¾- —

G

G, resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.....lb. .11½- —
Gual-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn (hydrogenated methyl abietate), dms., c.l., f.o.b. cars, destination, zone 1.lb. .11½- —
l.c.l., lots of 10, same basis, lb. .12¾- —
single dms., same basis...lb. .13¾- —
smaller lots, f.o.b. Hercules, Del..lb. .18¾- —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .12 - —
l.c.l., 10 dms., frt. pd.....lb. .12½- —
1-9 dms., frt. pd.....lb. .13 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

J

Jozite (see zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. coast, ex whse....lb. .07¼- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies.lb. .07 - —
Pac. coast, ex whse....lb. .07½- —
No. 25, bgs., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse....lb. .08½- —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse.....lb. .08¾- —
Katalised oil, 666, dms., c.l., frt. pd..lb. .26½- —
l.c.l., frt. pd.....lb. .26 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite

Kopol, 500, dms., 1-9, frt. pd..lb. .23½- —
501, dms., 1-9, frt. pd.....lb. .21½- —
502, dms., 1-9, frt. pd.....lb. .17 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Krumbhaar, maleic, 404, dms., single shpt., 10,000 lbs. lb. .14 - —
2,500 to 9,999 lbs.....lb. .14½- —
1 to 2,499 lbs.....lb. .15 - —
414, dms., single shpt., 10,000 lbs..lb. .14 - —
2,500 to 9,999 lbs.....lb. .14½- —
1 to 2,499 lbs.....lb. .15 - —
phenolic, modified, 202, dms., c.l..lb. .14½- —
l.c.l., 10-40 dms.....lb. .15 - —
1-9 dms.....lb. .15½- —
505, dms., c.l.....lb. .14½- —
l.c.l., 10-40 dms.....lb. .15 - —
1-9, dms.....lb. .15½- —
606, dms., c.l.....lb. .16 - —
l.c.l., 10-40 dms.....lb. .16½- —
1-9 dms.....lb. .17 - —
707, dms., c.l.....lb. .14½- —
l.c.l., 10-40 dms.....lb. .15 - —
1-9 dms.....lb. .15½- —

L

Lewisol resin, modified alkyd, No. 1, c.l., dlvd..lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
Lewisol, modified, alkyd., No. 2, c.l., dlvd..lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2L, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 24, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls., or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 28, c.l., dlvd.....lb. .13 - —
l.c.l., dms., dlvd.....lb. .13½- —
1-7 dms. dlvd.....lb. .14 - —
No. 33, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 8 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls., or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

N

Neo-Fat drying oil, 17 T.G., dms., c.l., dlvd..lb. .14½- —
19 T.G., dms., c.l., dlvd....lb. .19½- —
19 T.G., bodied, dms., c.l., dlvd..lb. .20¾- —
fatty acids, 3R, dms., c.l., dlvd, lb. .12½- —
17, dms., c.l., dlvd.....lb. .13 - —
19, dms., c.l., dlvd.....lb. .17½- —
23, dms., c.l., dlvd.....lb. Nom.

Neo-fat prices are ¼c. per lb. higher in Texas, ¾c. higher on Pacific Coast.

Nevillac, pale, hard, dms., works, lb. .17 - —
hard, 85-95° C, dms., works..lb. .15 - —
soft, 65-75° C, dms., works..lb. .15 - —

Nevillas prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16A, medium, col. 7-10, dms., works..lb. .06 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium, soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10 - —
Neville resin, 465, 110-125° C., dms., gross weight, f.o.b., pittsburgh..lb. .03 - —

Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra. Less then full drum shipments are 5c. per pound additional, f.o.b. Neville Island, Pa.

Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.30 - —
No. 4, very light straw, 100-lb. dms., works..lb. .47 - —
No. 123, water-white, 100-lb. dms., works..lb. .55 - —
oil, dms., works.....lb. 1.40 - —
Nevinol, dms., works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —
Notol, tanks, cars, f.o.b. Pittsburgh..gal. .27½- —
dms., returnable.....gal. .33 - —
Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —

Nuba resin prices on contracts terminating December, 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .20½- —
11½%, 100-lb. pkgs.....lb. .53¾- —
cobalt acetate, 100-lb. pkgs., lb. .83¾- —
Nuodex, iron, 6%, 400-lb. pkgs.lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs.....lb. .13¼- .14¼
32%, 450-lb. pkgs.....lb. .17 - —
34%, 100-lb. pkgs.....lb. .17¾- —
40%, 100-lb. pkgs.....lb. .21 - —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .29¾- —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .22½- —
manganese, 6%, 400-lb. pkgs..lb. .14 - .15
10½%, 100-lb. pkgs.....lb. .23½- —
Zinc, 8%, 400-lb. pkgs.....lb. .14½- —
10%, 400-lb. pkgs.....lb. .17¾- —
14%, 100-lb. pkgs.....lb. .24 - —
Nuodite, cobalt, 18%, 100-lb. pkgs., lb. .75 - —
lead, 64%, 100-lb. pkgs....lb. .25 - —
manganese, 24%, 100-lb. pkgs., lb. .32 - —

All prices are f.o.b. customers' plants, East of Denver.

P

Paradene, No. 1, 75-99° C., dms., gross wt., works..lb. .04½- —
2, 100-124° C., dms., gross wt., works..lb. .04½- —
3, 125-140° C., dms., gross wt., works..lb. .05 - —

Paradene prices on contract, terminating Dec., 1941, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.

Paradura resin, grade AV, c.l., dlvd..lb. .25 - —
10 pkgs. or more, dlvd.....lb. .26 - —
9 pkgs. or less, dlvd.....lb. .27 - —
C, c.l., dlvd.....lb. .29½- —
10 pkgs. or more, dlvd.....lb. .30½- —
9 pkgs, or less, dlvd.....lb. .31½- —
10-F, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
307, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
Paranol resin, extra nard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs, or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Extra hard, No. 3, c.l., dlvd.lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 3, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
25, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
25, light, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
54-E, c.l., dlvd.....lb. .15 - —
10 pkgs. or more, dlvd.....lb. .15½- —
9 pkgs, or less, dlvd.....lb. .16 - —
109, c.l., dlvd.....lb. .15½- —
10 pkgs. or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
105-B, extra light, c.l., dlvd.lb. .11½- —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
500, extra hard, c.l., dlvd...lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs, or less, dlvd.....lb. .17 - —
800, extra light, c.l., dlvd....lb. .14 - —
10 pkgs, or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
800, dark, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
850, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
1,600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1750, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1855, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
3046-C, c.l., dlvd.....lb. .22 - —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs, or less, dlvd.....lb. .23 - —
3101, c.l., dlvd.....lb. .14¾- —
10 pkgs. or more, dlvd.....lb. .15¼- —
9 pkgs. or less, dlvd.....lb. .15¾- —
3645, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Pentalyn, dms., c.l., f.o.b. cars, destination, Zone 1..lb. .11½- —
l.c.l., 10 dms., same basis..lb. .12 - —
single dms., same basis..lb. .12¾- —
smaller lots, f.o.b. Hercules, Del..lb. . 17¾- —
Pentalyn G, dms., c.l., f.o.b. cars, destination, Zone 1..lb. .13 - —
l.c.l., 10 dms., same basis, lb. .13½- —
single dms., same basis..lb. .14¼- —
smaller lots, f.o.b. Hercules, Del..lb. .19¼- —
Phenester, color 3½-5, dms., works, lb. .17 - —
P.H.O., dms., works.....lb. .19 - —
Pliolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
Pliolite resin, clear, ton lots, works..lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 20, ton lots, works....lb. .75 - —
smaller lots works.....lb. .79 - .84
No. 40, ton lots, work.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

R

Resinous oil, No. XI, dms., works, lb. .02 - —

S

Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N. D., S. D., Neb., Kan., Okla. and Tex..lb. .06 - —
l.c.l., dms. (500 lbs.), same basis..lb. .06½- —
smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del..lb. .20 - —

Styrene resin, XRS-1, 30,000 lbs., works..lb. .50 - —
15,000 lbs., works.....lb. .50½- —
5,000 lbs., works.....lb. .51 - —
XRS-2, 30,000 lbs., works....lb. .55 - —
15,000 lbs., works.....lb. .55½- —
5,000 lbs., works.....lb. .56 - —
Super-beckacite, pure phenolic, 1-01, dms., 1-9, frt. pd..lb. .37 - —
1003, dms., 1-9, frt. pd....lb. .35 - —
2000, dms., 1-9, frt. pd....lb. .29 - —
2667, dms., 1-9, frt. pd....lb. .24 - —
3000, dms., 1-9, frt. pd....lb. .48 - —
3005, dms., 1-9, frt. pd ...lb. .46 - —

Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005, where 10 dms. are 1½c. less and carloads 3c.; prices subject to same geographical differentials as beckacite.

Super-beckamine, 3500, dms., 10,000 lbs. or more frt. pd..lb. .29 - —
3501, dms., 1-9, frt. pd.....lb. .25½- —
Surfex, bgs., c.l., f.o.b. Paines-ville, Ohio..ton.27.50 - —
BB, bgs., c.l., same basis..ton.32.00 - —
MM, bgs., c.l., same basis..ton.30.00 - —

Syntex, standard alkyd resins,
No. 9, c.l..100 lbs.15.00 - —
l.c.l., 10 or more dms..100 lbs.15.50 - —
1-9 dms.....100 lbs.16.00 - —
17, c.l.....100 lbs.13.00 - —
l.c.l., 10 or more dms..100 lbs.13.50 - —
1-9 dms.....100 lbs.14.00 - —
18, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs. 15.00 - —
19-A, c.l.....100 lbs.14.25 - —
l.c.l., 10 or more dms..100 lbs.14.75 - —
1-9 dms.....100 lbs.15.25 - —
20-A, c.l.....100 lbs.15.50 - —
l.c.l., 10 or more dms..100 lbs.16.00 - —
1-9 dms.....100 lbs.16.50 - —
21-B, c.l.....100 lbs.13.00 - —
l.c.l., 10 or more dms..100 lbs.13.50 - —
1-9 dms.....100 lbs.14.00 - —
22, c.l.....100 lbs.14.50 - —
l.c.l., 10 or more dms..100 lbs.15.00 - —
1-9 dms.....100 lbs.15.50 - —
23, c.l.....100 lbs.13.00 - —
l.c.l., 10 or more dms.100 lbs.13.50 - —
1-9 dms.....100 lbs.14.00 - —
28, c.l.....100 lbs.16.50 - —
l.c.l., 10 or more dms.100 lbs.17.00 - —
1-9 dms.....100 lbs.17.50 - —
32, c.l.....100 lbs.12.25 - —
l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —
36, c.l.....100 lbs.16.75 - —
l.c.l., 10 or more dms.100 lbs.17.25 - —
1-9 dms.....100 lbs.17.75 - —
40, c.l.....100 lbs.15.50 - —
l.c.l., 10 or more dms.100 lbs.16.00 - —
1-9 dms.....100 lbs.16.50 - —
119, c.l.....100 lbs.18.75 - —
l.c.l., 10 or more dms.100 lbs.19.25 - —
1-9 dms.....100 lbs.19.75 - —
H-3, 10,000 lbs. and up.100 lbs.13.00 - —
2,500-9,999 lbs.....100 lbs.13.50 - —
under 2,500 lbs.....100 lbs.14.00 - —
H-3, pale, 10,000 lbs. and over..100 lbs.13.00 - —
2,500-9,999 lbs.....100 lbs.13.50 - —
under 2,500 lbs.....100 lbs.14.00 - —
H-10, c.l.....100 lbs.15.75 - —
l.c.l., 10 or more dms.100 lbs.16.25 - —
1-9 dms.....100 lbs.16.75 - —
H-12, c.l.....100 lbs.16.50 - —
l.c.l., 10 or more dms.100 lbs.17.00 - —
1-9 dms.....100 lbs.17.50 - —
H-15, c.l.....100 lbs.11.00 - —
l.c.l., 10 or more dms.100 lbs.11.50 - —
1-9 dms.....100 lbs.12.00 - —
H-46, c.l.....100 lbs.12.25 - —
l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —

Tentative alkyd resins, 14, c.l., 100 lbs.14.50 - —
l.c.l., 10 or more dms.100 lbs.15.00 - —
1-9 dms.....100 lbs.15.50 - —
16, c.l.....100 lbs.17.00 - —
l.c.l., 10 or more dms.100 lbs.17.50 - —
1-9 dms.....100 lbs.18.00 - —
23, c.l.....100 lbs.19.00 - —
l.c.l., 10 or more dms.100 lbs.19.50 - —
1-9 dms.....100 lbs.20.00 - —
32-A, c.l.....100 lbs.12.75 - —
l.c.l., 10 or more dms.100 lbs.13.25 - —
1-9 dms.....100 lbs.13.75 - —
42, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
121, c.l.....100 lbs.14.50 - —
l.c.l., 10 or more dms.100 lbs.16.00 - —
1-9 dms.....100 lbs.16.50 - —

Syntex, tentative, alkyd., resins.
21, c.l.....100 lbs.13.25 - —
l.c.l., 10 or more dms.100 lbs.13.75 - —
1-9 dms.....100 lbs.14.25 - —
H-5, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
H-47, c.l.....100lbs.17.25 - —
l.c.l., 10 or more dms.100 lbs.17.75 - —
1-9 dms.....100 lbs.18.25 - —

These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destination in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wiss., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Atlanta, Ga., Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per pound.

Vinylite adhesive solution, vinyl-seal, dms., lots, f.o.b. South Charleston, W. Va., frt. pd. E. of Miss..gal. 2.10 - —
smaller lots, same basis.gal. 2.50 - —
XL5041, 20 dms., same basis, gal. 2.00 - —
dm. lots, same basis....gal. 2.25 - —
smaller lots, same basis.gal. 2.50 - —
XL5075, 20 dms., same basis, gal. 2.15 - —
dm. lots, same basis....gal. 2.40 - —
smaller lots, same basis.gal. 2.65 - —

Adhesive solutions in 1 to 5 gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans, 5-gal containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.

Vinylite brand resins, AYAA, AYAF, AYAT, c.l., (30,000 lbs.) paper bags, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river....lb. .40 - —
2,000 to 9,999 lbs., cns., same basis..lb. .43 - —
200 to 1,999 lbs., cns.. same basis..lb. .45 - —
1 to 199 lbs., cns., same basis..lb. .60 - —
AYAB, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis.lb. .67 - —
AYAW, cns., 200 to 1,199 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis..lb. .67 - —
QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHF, VYLF, VYNW, VYRR, c.l. (30,000 lbs.), paper bags, same basis..lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHH, c.l. (30,000 lbs.), paper bags, same basis, lb. .52 - —
10,000 to 29,999 lbs., cns., same basis..lb. .54 - —
2,000 to 9,999 lbs., cns., same basis..lb. .55½- —
200 to 1,999 lbs., cns., same basis..lb. .57 - —
1 to 199 lbs., cns., same basis..lb. .67 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis, lb. .68 - —
10,000 to 29,999 lbs., cns., same basis..lb. .70 - —
2,000 to 9,999 lbs., cns., same basis..lb. .72½- —
200 to 1,999 lbs., cns., same basis..lb. .75 - —
1 to 199 lbs., cns., same basis..lb. .85 - —
XYSG, paper bags, 200 to 1,999 lbs., cns., same basis..lb. 1.25 - —
1 to 199 lbs., cns., same basis..lb. 1.40 - —

Hercules Buys Resin Business of J.D. Lewis

—Continued from page 5

with headquarters temporarily at the Mansfield plant.

The Mansfield plant will be operated under the direction of R. F. Schlaanstine, director of operations of the synthetics department. Dr. R. Marx, technical director of the Mansfield plant, will continue in this capacity. The Lewis plant at Brunswick, Ga., will be operated for the synthetics department by the Hercules naval stores department.

Zinc Redistillers Under Priority Order

—Continued from page 3

tain specified amounts of metal for emergency allocation by the priorities division.

Mr. Stettinius said that some galvanizers who redistill their own dross and skimmings to recover the metal have assumed that they are not producers under the terms of the order. This assumption is incorrect, he said, pointing out that producers under the order are defined as "any person producing Zinc as hereinbefore defined; and also, for the purposes of this Order, 'Producer' includes any person who produces such Zinc for others under toll agreement."

Zinc is defined in the order as "all grades of metallic zinc (spelter) produced directly from ores, concentrates, and other primary material or redistilled from scrap, including dross, skimmings and ashes; all zinc oxide both lead-free and leaded; and zinc dust."

U.S. to Erect Eight Aluminum Plants

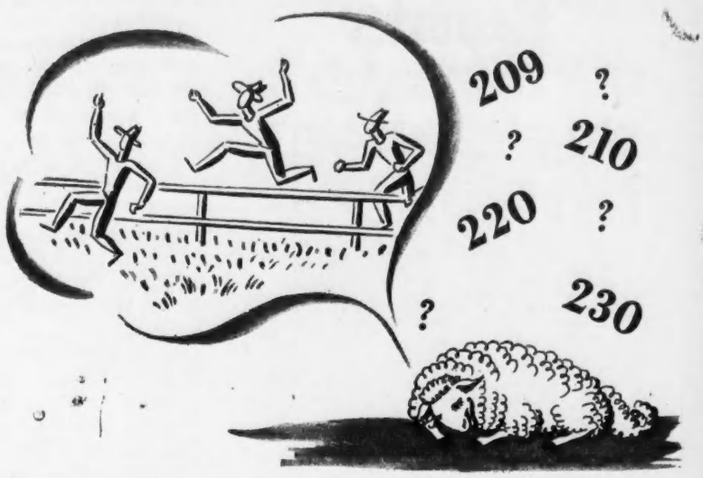
—Continued from page 3

time that all of the new plants involved in these recommendations will be government-owned but privately operated under a lease arrangement, details of which will be worked out by the Defense Plant Corporation and the companies involved.

A new priority order granting a preference rating to a number of secondary aluminum smelters, thereby permitting them to buy aluminum scrap for processing, was issued today by E. R. Stettinus. jr., director of priorities. The rating given the secondary smelters is A-10. This rating is being assigned only to those smelters who are doing substantial quantities of defense work and who have adequate facilities to handle the scrap metal quickly and efficiently.

National Plastic Corporation has leased an entire floor at 231-49 West Thirty-ninth street, this city, for the manufacture of plastic products.

How high can a sheep count?



Beyond these 4 numbers, it ought to take a sleeping pill! Durez "209", "210", "220", "230"... are the only numbers worth counting. Among the hundreds of resins now on the market for use with slow drying oils . . . they stand alone! These Durez resins will fill your basic needs.

Here are the facts! Continuous research . . . years of testing actual performance in the field . . . thus Durez perfects the particular qualities of its resins.

You can count on Durez resins to give your varnishes accelerated bodying . . . improved water resistance . . . faster dry . . . harder film . . . better alkali resistance. Would you like to check any of these specific points in your own formulations? Just send for a sample.

DUREZ PLASTICS & CHEMICALS, INC.
307 Walck Road, North Tonawanda, N.Y.

DUREZ PLASTICS & CHEMICALS, INC.
RESINS THAT FIT THE JOB

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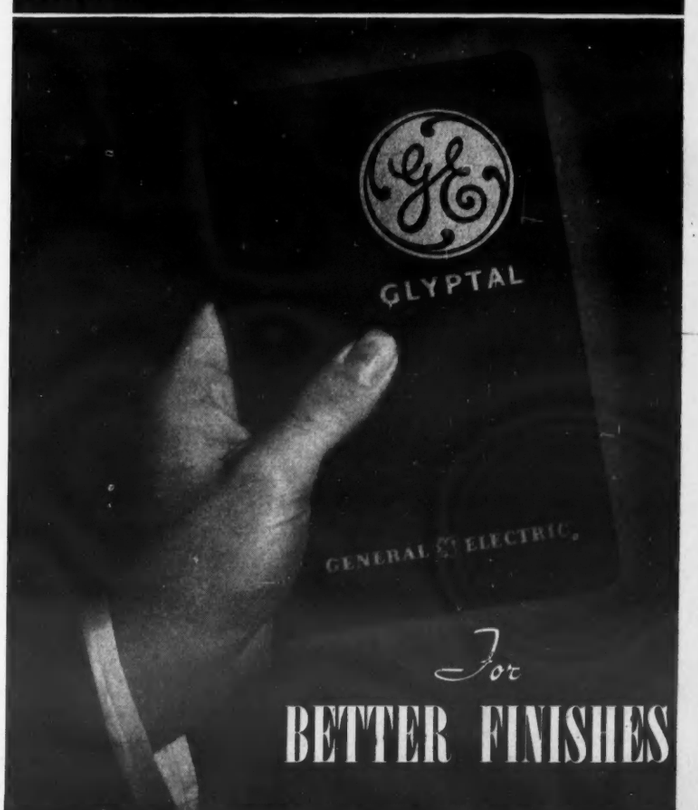

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GENERAL ELECTRIC

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Vol. 140 July 7, 1941 Number 1

Help the Farmer to Help

Tung nuts are not a practicable major crop for agriculture in the United States in the current opinions of certain informed official agricultural economists. The tung tree, these authorities say, is too sensitive to climatic changes to flourish in this country's variegated weather. Their advice is that small plantings of tung trees be cultivated as a more or less important part of diversified farming.

Diversity of products has long been the theme of economists specializing in agriculture—the idea goes back to antiquity in the baskets-and-eggs adage. It is good because agriculture cannot standardize its operations against meteorologic vagaries and other influences to which man cannot apply adequate control.

The economists would have part-time tung farmers provide themselves with appropriate oil-crushing facilities—relatively small mills, individually or cooperatively owned, at convenient locations. Some advance the possibility of providing traveling crushers of the nature of the peregrinating threshers of a few generations past. The choice is wholly a matter of the relative cost of getting Mahomet to the mountain and vice versa.

Much would be done to increase the useful service of agriculture to manufacturing by providing an economical means of converting side-crops and wastes of the farm to industrially applicable materials. The quantity of cellulose which could thus be made available is staggering. Even power alcohol might stand up with such a prop!

Most raw materials now wasted are so bulky that they cannot economically be hauled to converting plants which are so located as to have sufficient territory to support their operation. This gives the traveling plant a special appeal. And there is a pertinent interest in this method of making use of the natural aromatic resources of this country.

There is borneol in sagebrush. Peonies have a roselike scent. The odor of certain thistles is markedly linalylic. Should industry leave the development of these things to that good friend of the farmer—the politician in office?

As Useful as Money

Because producers of chemicals and related materials have not forgotten the sometimes painful lessons of two decades ago—and to some extent also because governmental agencies are somewhat determined to prevent a return to that severe schooling—the best places to look for a chemical or related material is in the channels where it customarily has been found. There is some "outside" marketing, of course: the lure of speculation is ever strong and limited supplies of this or that scarce article are available at times to be played with. But, the customary supplier is still the customary user's best source of goods—if any are available.

That last clause sets up the big handicap in today's buying. And the consequent problem is, first, to locate a customary supplier not previously known; secondly, to find somebody with something which is satisfactory as a substitute—perhaps with a bit of formula readjustment—for the material which just isn't to be got for any but defense uses. It is sometimes astonishing how well this problem can be handled.

There is one place to find the answer to this problem in both its stages. That place is the Green Book—that long-used always useful buyer's guide to supplies of chemicals and related materials by the thousands.

The Green Book has been guiding the industrial buyers of the United States and the Western Hemisphere—and their astute brethern all over the globe—for twenty-five years. It started out doing a good job—and its services have improved steadily with its years of experience. So, today, the Green Book is tops. And tomorrow (figuratively speaking to mean a couple of weeks) there will be another Green Book on the job—a bigger and better Green Book, a guide which has collected information for today's peculiar needs and presents buyers of chemicals and related materials with a most extensive additional list of places to get long-known materials and a big list of a big variety—hundreds and hundreds—of newer things of much usefulness. Those who must buy chemicals and related materials just can't get along without the Green Book—it's as useful as money.

There is no problem about getting a copy of this newest and best Green Book; it's all very simple because this useful business helper is acquirable in only one way—it will be given without additional cost when it comes off the press a week or so hence to those who are paid-up subscribers for the OIL, PAINT AND DRUG REPORTER.

—O-P-D—

Shaping the Future

After a hiatus of some six months interest among congressmen is again turning to the construction of a program or something which will be of some useful service in the economic disturbances which are quite generally expected to follow the termination, or at least abating, of the war, whatever may be the result. Last Winter Congress was chiefly concerned with the foreign trade aspects of postwar efforts of the nations of the world to readjust themselves as might be desirable or possible. The matter has acquired a broader scope, and congressmen look now to the creation of an agency which will show the way toward avoiding slackening of industrial production and of well-paid employment; will contrive a satisfactory disposal of governmentally subsidized defense plants; and perhaps will hit upon a salutary solution of the problem of a national debt of about $1,000 per capita.

Six months ago the popular agency idea in Congress was a sort of super tariff board. Today it is something like an indefinitely colossal PWA. There seems to be a growing belief that, wherever this nation shall have been landed as a consequence of warmaking and peacemaking, the job of providing for the welfare of its people will be more than ever before an expected—yes, demanded—function of government.

Determination of a national postwar policy, at least in fundamentals, is an imperative job for today and tomorrow. But, neither its determination nor its application is wholly a government job. There has been complaint in recent conferences that neither management nor labor has had its due opportunity to participate in the formulation of a national policy even so far as involves their own relations. Has management or labor also become so dependent on government that it must wait until it is given an opportunity to take a hand in the shaping of national policies? In such things it should be fundamental and final that government — that is, those who officiate in governmental roles—is but the draughtsman. The people are the constructing and operating engineers.

Preparing for postwar economic necessities is a big job. It is a business job and the nature of the nation's economic future will depend on the extent to which this job is done by private business and not allowed to add further malevolence to the sapping influence of governmental usurpation. This big job must be done cooperatively by management and labor, if it is desired that these two will continue to exist side by side. It is time therefore that the national organizations of management and labor and ownership of business too, got started, so that private enterprise may keep ahead of what is popularly referred to as government.

—O-P-D—

Poisons for Parachutes

An Indiana manufacturer of parachutes for the government complains that his operations are being sabotaged by grasshoppers. His plaint is that the insects infest the fields where his parachutes are drop-tested and that they flock all over a parachute as soon as it lands, and spit their characteristic "tobacco juice" on the fabric, with the result that the cloth is burned full of small holes which it is impossible to repair and the parachute is rendered useless.

Whether the grasshoppers burn holes in the parachutes with their spit or bite them in with their mouths, their sabotaging of defense production calls for immediate and drastic cooperative action by the parachute-maker and the insecticide industry, even though recent official reports did minimize this year's grasshopper emergence.

The question is whether the parachute-maker should use a noxious agent to rid his field of grasshoppers or an obnoxious one which will keep the grasshoppers beyond spitting range of his devices. At the moment, the first method seems the more practicable.

1868* U.S. GRANT IS NOMINATED PRESIDENT OF THE UNITED STATES

*1868 *Chas. Pfizer & Co. outgrew its modest offices at 17 Beekman Street and moved to 81 Maiden Lane*

¶ Nineteen years old—a sturdy stripling not yet voting age—that was Chas. Pfizer & Co. in 1868. Yet already the foundations were laid for Pfizer's steady future growth and expansion. The firm had already established the reputation it has carried unbroken throughout its ninety years of existence—a reputation for high standards of purity, quality, dependability.

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¶ Today Chas. Pfizer & Co. serves industries never heard of in 1868—the modern photographic industry, the great modern domestic dye industry, the new industries concerned with plastics, and many more, together with such old, time-honored industries as food, confectionery and drugs.

¶ And today, at ninety years of age, Chas. Pfizer & Co. is still growing—constantly finding new ways to serve modern industry's ever growing needs.

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Heavy Chemicals

Potash Permanganate Prices Higher and on Works Basis—Spot and Export Offerings Reflect General Tightness—Efforts Under Way to Conserve Available Packings

The brisk buying movement continued in the market for heavy chemicals last week. Orders for a number of products broadened under the expanding requirements of the defense program. In an effort to protect regular consumers and supply all emergency needs, sellers were confronted with a large amount of detail work. Each order had to be scrutinized and checked so that contract allotments could be strictly adhered to. Priority and preference ratings, however, disrupted the intentions of producers to supply material promptly. Spot and export offerings continued to reflect the tightness in practically all important materials. Price movements were less of a factor, with third quarter contract adjustments out of the way.

Prices for potash permanganate and anhydrous manganese sulphate have been revised upward. Quotations for permanganate of potash will now be f.o.b. works. Previously, schedule was on a delivered basis at New York to meet competition from foreign material at the seaboard.

With the container situation tightening, producers endeavored to conserve available packings, and in many instances resorted to the use of wood and glass where it was practical to do so. Aside from the shortage in certain type containers, basic costs have been stepped up considerably. In the case of some acids such as acetic, producers suggested that consumers buy higher strength material to cut down container use.

Alums. — Market position tight. Buying steady. Prices unchanged and firm.

Alumina Hydrate.—Prices firm at higher levels established recently. Good interest.

Alumina Sulphate.—Market firm, business well sustained.

Ammonia, Anhydrous.—Active inquiry, selling restricted. Prices firm.

Ammonia, Aqua.—Business allocated. Market tight. Prices remain the same.

Price Changes

Advanced

Barium hydrate, ¼c. per lb.
Copper chloride, anhy., 1½c. per lb.
Manganese sulphate, anhy., wks., ½c. per lb.
Potash permanganate, wks., ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
163.8	**163.8**	**159.4**	**151.4**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.7	**108.7**	**101.6**	**101.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Caustic Potash

In contrast to the last war, domestic supplies of potash are adequate to take care of all domestic needs. However, since the early part of this year, a strike at one of the leading potash producing areas interrupted shipments of raw materials. This caused a tight situation in the market for caustic potash. While this has been rectified to a large extent by securing supplies from other domestic sources, a certain amount of production difficulties have been encountered.

Before and during the last war a large amount of caustic potash was imported into this country. In recent years imports have diminished considerably. The five-year average, 1934-1938, show imports amounted to 1,378 short tons, of which 80 percent came from Germany. Since the outbreak of the present war, imports have been negligible.

Domestic production, according to the 1937 census figures, amounted to 10,837 tons. Current output has been stepped up, and are reliably estimated anywhere between 13,000 and 15,000 tons per annum.

The material is now subject to an export license. No separate classification was made on exports until this year. During the first quarter shipments aggregated 3,074,308 pounds. Recently producers have not accepted any export inquiries.

A relatively stable price situation prevails. At the outset of the war price for flake in car lots was 7c. per pound. Prices remain firm for the third quarter of this year on contracts. Offerings in the resale market were made at 8c. per pound.

Ammonia Bicarbonate. — Transactions routine. Prices remain firm.

Ammonia Bifluoride.—Market short, shipments lag. Prices rule firm.

Ammonia Nitrate.—Defense requirements continue to absorb most supplies.

Ammonia Persulphate. — Firmness characterized the trading, with offerings limited.

Ammonia Silicofluoride.—Tight situation prevails, with stocks small.

Ammonia Sulphocyanide.—Domestic production sufficient to take care of demand. Prices firm.

Ammoniac Sal.—Shipments moderately active. No new price developments occurred.

Antimony Metal.—Inquiries steady. Domestic spot price unchanged.

Antimony Oxide.—Offerings usually limited to regular consumers. Prices unchanged and firm.

Arsenic, White. — Call remained steady, and market position strong. Resale, 7½c. per pound.

Barium Carbonate.—Prices firm at higher levels. Withdrawals steady.

Barium Chloride.—Good demand. Prices remain firm.

Barium Hydrate.—Price up ¼c. ranging from 6c. to 7c. per pound. Position tight, offerings limited.

Barium Nitrate.—Brisk inquiry, while tone held firm.

Bleaching Powder.—Business confined to regular consumers. Little available for export. Prices firm.

Calcium Acetate.—Market short, business restricted. Prices firm.

Calcium Carbide.—Active demand. Pricewise a firm tone predominated.

Calcium Chloride.—Shipments moving at good pace. Prices rule firm.

Carbon Tetrachloride.—Short situa-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

tion prevails, with shipments far behind. Prices firm. Resale, 15c. to 17c. per pound.

Chlorine. — Material on priority basis. Prices firm. Output during 1940 rose to 605,000 tons, an increase of 24.7 percent over 1939, and 187 percent over 1929.

Cobalt Oxide.—Business on restricted basis. Prices remain firm.

Copper.—Demand heavy, business allocated. Control procedure awaited. Prices unaltered.

Copper Salts.—Offerings limited. Prices display firmness. One seller advanced anhydrous chloride 1½c. at 19½c. per pound.

Copper Sulphate.—Active demand, business allocated. Most sellers withdraw from export market. Prices firm.

Fluorspar.—Demand steady. Prices unchanged and tone firm.

Glauber's Salt.—Tight situation remains in evidence, while prices held firm.

Lead Acetate.—Market firm at recently established basis. Position tight.

Lime.—Shipments moved at good pace in all directions. No change occurred in the prices.

Magnesite.—Market position tight, brisk inquiry. Prices firm.

Manganese Sulphate, Anhydrous.—Price advanced ½c., making ton lots, works, 10½c., and single barrels 11½c. per pound.

Nickel Salts.—Shortage continues, with shipments lagging. Resale, 64c. per pound.

Phosphorus.—Red remains in limited supply; satisfactory demand for yellow. Resale offerings red $1.10 per pound.

Potash Carbonate.—Prices firm. Orders reach market steadily. Resale, 7½c. to 7¾c. per pound.

Potash Chlorate.—Steady demand. Resale, 33c. to 34c. per pound.

Potash Cyanide.—Good interest. Prices unchanged and firm.

Potash Metabisulphite.—Less pressure evident. Offerings at 19c. to 25c. per pound.

Potash Permanganate.—Works price revised upward ½c., making technical, 20½c. to 21c. per pound. All prices will now be on an f.o.b. works basis. Previously schedule was on a delivered basis here.

Salt.—A firm tone prevailed, while shipments moved steadily.

Saltpeter.—A good inquiry continued, while prices were firm at the higher levels.

Soda Acetate.—Market tight. Offerings limited. Tone remains firm.

Soda Ash.—Broad movement against contracts. Prices without change.

Soda Bicarbonate.—Demand moderately active, and prices display firmness.

Soda Bifluoride.—Offerings limited. No change in the quotations.

Soda Bisulphite. — Brisk inquiry. Prices unchanged and firm.

Soda Caustic.—Market firming, with buying active. Prices unaltered.

Soda Chlorate.—Business confined to regular channels. Prices rule firm.

Soda Cyanide.—Market in firm position, while demand continued active.

Soda Hydrosulphite.—Steady interest for usual consumers. Prices firm. Resale, 33c. per pound.

Soda Nitrite.—Withdrawals good. Prices underwent no change.

Soda Phosphate.—Market displays firmness, with shipments steady.

Soda Silicate.—A broad inquiry continued. Prices firm.

Soda Silicofluoride.—Market tight, offerings limited. Resale 16¾c. to 17c. per pound.

Soda Sulphate, Anhydrous. — Demand steady, selling restricted. Prices firm at higher levels.

Soda Sulphide.—Good interest. Market position tight. Resale 4¼c. per pound.

Sulphur, Refined.—Shipments heavy. Prices maintain their firmness.

Tin Salts.—Prices held the same for various tin derivatives. Demand steady. Straits metal quoted at 52⅝c. per pound.

Zinc Sulphate. — Business steady, with transactions usually confined to regular contract accounts. Prices firm.

Acids

A heavy buying movement, tightening in supplies and firm price tone characterized business in the market for acids last week. Acetic was in active call; spot offerings were few

—*Continued on page* 36

Defense Relations Plan For Industry Laid Out

—*Continued from page* 3

of the aircraft, ordnance, and tools branch, and the ship construction and supply branch, will remain under him in the production division.

Donald M. Nelson will assume primary responsibility for sections where purchasing problems are of paramount importance, such as drugs, textiles, food, and clothing.

Edward R. Stettinius, jr., will have charge of sections in which the problems of importation or allocation are most important, such as rubber, copper, and zinc.

L.M. Hutchins Named Head Of Forest Pathology Work

OPD Washington Bureau
July 1, 1941

The Department of Agriculture today announced the appointment of Dr. Lee M. Hutchins to head the Division of Forest Pathology of the Bureau of Plant Industry. Dr. Hutchins has been in charge of research on virus diseases of tree fruits for the department, working principally in the South and West. He succeeds the late Dr. Haven Metcalf as division head.

Outstanding among Dr. Hutchins' research achievements has been his work on the phony disease of peaches. He determined the cause of this disease, developed control methods, and organized an eradication campaign in the Southeast. In this work he perfected a new technique for studying virus diseases which helped make possible his discovery, in 1932, of the cause of peach mosaic disease and aided later investigation of other new tree diseases.

Niagara Alkali Combined With Electro Bleaching

—*Continued from page* 3

electrolytic method, EBG liquid chlorine.

The Electro Bleaching Gas Company was the first American company to produce liquid chlorine, and was formed in 1907 for that purpose, with E. D. Kingsley as its founder. The company introduced the use of chlorine as a bleaching agent to the textile industry as well as effecting its sale as a bleaching agent to the pulp and paper industry and the shellac industry. One of the company's outstanding achievements, however, was the adaptation of liquid chlorine to the purification of water supplies and the sterilization of sewage.

Trade Briefs

E. V. Stacey, chemical engineer, has been elected president of the Engineers Club of Los Angeles.

D. W. Haering & Co., water consultants, Chicago, has moved to the eighteenth floor of the Engineering building, 205 Wacker drive.

James F. Ryan, of the Grasselli chemical department of E. I. duPont de Nemours & Co., Empire State building, was married June 21 at Georgetown, Mass., to Miss Eleanor Murphy.

Naugatuck Chemicals, Ltd., has been organized in Canada by joining the Naugatuck Chemical Division of the United States Rubber Company with the Dominion Rubber Company, Ltd.

Carnegie-Illinois Steel Corporation has acquired the tinplate manufacturing plant of the Standard Tin Plate Company and the coal mining properties of the Canonsburg Coal Company. The latter firms are subsidiaries of the Continental Can Company.

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Heavy Chemicals

Acids

—*Continued from page* 35

and small lots passed in resale market at high levels. Offerings of oxalic were limited. Chromic was in a tight position. A brisk movement occurred in formic, mixed, muriatic, nitric and sulphuric against contracts. No new price developments took place, however, but quotations on materials already advanced were firm at the higher levels.

Acetic.—Market short. Business restricted. Resale for glacial 33c. per pound.

Battery.—Steady movement. Prices unchanged and firm.

Chromic. — Active inquiry, with shipments confined to regular channels. Prices firm.

Formic. — Demand good. A firm price tone prevailed. Resale 14c. per pound.

Gallic.—Price of technical firm at higher levels. Business moderate.

Hydrofluoric.—Market position firm, while takings were steady.

Lactic. — Transactions brisk. No change occurred in the prices.

Mixed.—Heavy movement. Price-wise a firm tone prevailed.

Muriatic. — Buying active. Market retained a firm tone.

Naphthenic. — Selling confined to regular channels. Prices nominal.

Nitric. — Active buying continues. Prices rule firm.

Oxalic.—Short situation limits offerings. Resale 30c. per pound.

Phosphoric. — Withdrawals steady. Prices underwent no alteration.

Pyrogallic. — Prices for technical firm at recently established levels. Purchases moderate.

Sulphuric.—Business steady to regular contract accounts. Prices held the same, and tone was firm.

Baltimore, July 1.—Conditions in the market for sulphuric acid are about as

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they have been, with the producers not taking on any new business and applying their output entirely to the filling of contracts now in force at the nominal quotations of $12 per ton for 60-degree and at $15 per ton for 66-degree acid. Sellers report that stocks of acid are completely taken up by the business thus filled, that they have no surplus to supply at this or any other figure, and that the requirements are still expanding. Oleum, which is used in the manufacture of smokeless powder and TNT, in addition to agricultural purposes, holds at $17 per ton nominally.

Insecticides

Demand for agricultural insecticides and fungicides continued to be guided by seasonal influences last week. A slackening from peak levels remained in evidence, but on the whole the situation was regarded as quite satisfactory. Materials such as calcium arsenate, lead arsenate and paradichlorobenzene experienced a good season so far. No change was disclosed in the prices, while the tone remained firm.

Agricultural chemicals are not used on a large scale in Nicaragua despite the importance of agriculture to the economy of the country. The heavy invasion of grasshoppers in a number of important crop areas in 1940 raised in more intense form the need for chemicals to control them. A number of formulas were employed but without success.

Bordeaux Mixture.—Moderate inquiry. Prices underwent no change.

Calcium Arsenate.—A satisfactory movement occurred in some sections. Pricewise a firm tone prevailed.

Lead Arsenate.—Business followed a normal seasonal course. Prices remain firm.

Paradichlorobenzene.—Firm conditions predominated, although some slackening in demand from peak levels was discernible.

F.T.C. Hits Use Of Basing Points

—Continued from page 5

the effect of inducing reciprocal adherence to the delivered price quotations prevailing in the respective districts.

(13) Determining what concerns shall be recognized as dealers and jobbers and thereby entitled to purchase lime at jobbers' and dealers' prices, terms and conditions of sale, or compiling or circulating lists of such recognized jobbers and dealers.

(14) Establishing or allowing uniform discounts, commissions or compensation to their respective dealers when bidding upon the requirements of municipalities, State or Federal governments or other large consumers, or establishing or allowing a uniform differential between the price to dealers and the price to contractors.

(15) Exchanging among themselves or with their dealer customers, in advance of the submission and opening of sealed bids on Federal, State and municipal requirements for lime products, the prices which they propose to quote in such bids.

(16) Fixing, establishing or maintaining prices to be quoted by their dealer customers when bidding on lime to be purchased by municipalities, State or Federal governments or other large consumers.

(17) Employing the respondent Hal S. Covert or any other person, partnership or corporation, to act as an agency for putting into effect or carrying out, directly or indirectly, any of the policies, rules, practices or methods of competition prohibited by the Commission order; or adopting or taking any other concerted or cooperative action to carry out or make effective the acts and things prohibited by the order.

Iodine and insecticide divisions of the Dow Chemical Company, Long Beach, Calif., announces the change of name and address to the Great Western division, 10 Hathway drive, Seal Beach, Calif.

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Industrial Uses of Chemicals and Related Materials

Producer's Guide to New Markets *Formerly Styled "Where You Can Sell"* **Technical Information for Processors**

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Miscellaneous
Base material for making—
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1-N-Betahydroxyethylamino-5-naphthol

Chemical
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---

Carbisopropoxythione Disulphide

Rubber
Accelerator (U.S. 1932163) in—
Vulcanizing processes

4′:4′′-Dihydroxy-3′′-methoxy-2:2′-dimethyl-5:5′-di-isopropylfuchsone

Dye
Intermediate (Brit. 485228, 485266, and 502216) in making—
Synthetic dyestuffs

Pharmaceutical
Claimed (Brit. 485228, 485266, and 502216) to have—
Medicinal properties

Dihydroxyundecylic Acid

Chemical
Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

Di-isobutyl Adipate

Chemical
New ester, said to have the following properties—
Colorless
High-boiling point
Highly compatible with a wide variety of natural and synthetic resins
Odorless
Soluble in most organic solvents
Water insoluble

Resins
New ester said to be—
Highly compatible with a wide variety of natural and synthetic resins

6-Ethyldecanol-3 Sulphate Ester

Chemical
Emulsifying agent (Brit. 461662) in making—
Emulsions of various chemicals and chemical specialties

Fats, Oils, and Waxes
Emulsifying agent (Brit. 461662) in making—
Emulsions of fats, or oils, or waxes for various purposes

Leather
Emulsifying agent (Brit. 461662) in making—
Dressing compositions
Finishing compositions
Soaking compositions
Softening compositions
Waterproofing compositions

Miscellaneous
Emulsifying agent (Brit. 461662) for making—
Emulsions of various products

Paper
Emulsifying agent (Brit. 461662) for making—
Coating compositions
Sizing compositions
Waterproofing compositions
Waxing compositions

Textile
Emulsifying agent (Brit. 461662) in making—
Compositions used in—
Bleaching processes
Dyeing processes
Finishing processes
Manufacturing processes
Printing processes

Monolaurin Sulphate

Chemical
Starting point (U.S. 2023387) in making—
Wetting agents, by admixture with mono-octoin

Miscellaneous
Starting point (U.S. 2023387) in making—
Agents for preventing spluttering of hot fat, by admixture with mono-octoin

Naphthaleneacetic Acid

Agriculture
Color-improvement promoter for—
Apples
Growth promoter for—
Apples
Holly berries
Parthenocarpic fruits, such as bananas, navel oranges, strawberries, watermelons, and the like
Preventer of—
Apple falls (dropping) during the ripening period (said to be equally efficient for various varieties; dose rate is about one-half teaspoonful to 100 gallons of water; possibly may be combined with the regular spray program)
Rooting promoter for—
Root cuttings which are slow to root

Potassium Oleate
(Kaliumoleat, Oleate de Potasse, Oleate Potassique, Oleate de Potassium, Oleate de Potasa, Oleato Potasico, Oleato di Potassio, Oleinsaeureskalium, Oleinsaeurespotasche)

Cellulose Products
Process material (U.S. 1236959) in making—
Vulcanized cellulose

Electrical
Process material (U.S. 1236959) in making—
Insulation compound

Lubricant
Soap (or base) in—
Boring compounds (emulsifiable)
Boring compounds (special) (Brit. 372261)
Cutting compounds (emulsifiable)
Cutting compounds (special) (Brit. 372261)
Engine greases (archaic)
Graphite-potassium soap lubricant (Brit. 155836)
Long-fiber texture greases
Low-temperature greases
Potassium soap-latex grease (Brit. 449779)
Textile lubricants (emulsifiable)
Textile lubricants (special) (Brit. 372261)

Mining
Flotation reagent (U.S. 1519396) in recovery of—
Gold Silver

Miscellaneous
Ingredient (U.S. 1123367) of—
Antidimming composition for use on glass
Process material (U.S. 1236959) in making—
Parchmentized fiber
Vegetable parchment
Vulcanized fiber
Waterproofed materials

Paint, Varnish, and Lacquer
Emulsifying agent (U.S. 1147851) in—
Finish remover

Pharmaceutical
In compounding and dispensing practice
Suggested for use as—
Detergent Emollient

Rubber
Dispersing agent (U.S. 1797243, 1806388, and 1899243) in making—
Rubber dispersions in water

Soap
Ingredient of—
Cleaning compound (U.S. 1429978)
Liquid soaps
Shaving soaps and creams
Soft soaps

Ruthenium

Chemical
Alloying agent in making—
Catalysts used in ammonia synthesis and in making other chemicals

Electrical
Hardener in—
Electrical contact alloys
Electrical filaments

Fats and Oils
Alloying agent in making—
Catalysts used in hyrogenating fats and oils

Metallurgical
Hardener for—
Palladium
Platinum
Platinum and palladium alloys

Sodium Metanitrobenzenesulphonate

Dye
In dyestuff syntheses
Process material (U.S. 1255719) in making—
Beta-aminoanthraquinone

Textile
Assistant in preventing—
Facing in discharge printing
Bucking agent (U.S. 1156048) for—
Vegetable dye
Kier-boiling assistant for—
Printed materials
Vat-dyed materials
Protective oxidizing agent

Tobacco
(Tabac, Tabacco, Tabaco, Tabacum, Tabak)

(Uses given are for any of the following physical forms: Leaf, dust, powder, stems, aqueous extract)

Animal Husbandry
Ingredient of—
Dust baths
Salt block for cattle (U.S. 1229317)
Special feeds
Toxicant-dusting agent for—
Birds Roosts
Nests
Toxicant for—
Lice in safeguarding—
Birds Goats
Chickens Sheep
Dogs Turkeys
Ducks
Round worms in safeguarding—
Birds Ducks
Chickens Turkeys
Stomach worms in safeguarding—
Animals Hogs
Cattle Horses
Dogs Sheep
Goats

Chemical
Source of—
Nicotine and its salts
Starting point (special) (US. 1178487, 1201831, 1253497, and 1294310) in making—
Nicotine

Dye
Process material (U.S. 1244796) in making—
Dyestuff

Fertilizer
Ingredient of—
Fertilizer compositions
Fertilizer (special) (U.S. 1156609, 1247060, 1283678, and 1472675)

Insecticide
Insecticidal agent
Toxicant in—
Insecticide (U.S. 1153974, 1156954, 1416526, and 1472675)

Miscellaneous
Ingredient of—
Antidimming composition for application to glass (used in the form of an aqueous extract) (U.S. 1238963, 1381788, and 1429824)
Cleaning composition for windshields (U.S. 1378931)
Composition for preventing moisture accumulation (U.S. 1381788 and 1386362)
Snuff compositions

Pharmaceutical
In compounding and dispensing practice
Ingredient (U.S. 1350843) of—
Medicine for hair and scalp

Tobacco
Base material in—
Chewing mixtures
Cigarets
Cigars
Pipe mixtures
Smoking mixtures
Snuff

Undecalactone
(Aldehyde C-14, Peach Aldehyde)

Perfume
Odorant in—
Floral bouquets
Oriental perfumes
Perfumes

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Dyestuffs, Textile and Leather Chemicals

Limited Supplies of Imported Materials Retarding Business —Liquid Quebracho and Spruce Bark Extracts Advanced —Potato Dextrin, Rice Starch and Tapioca Flour Up

A limited amount of supplies restricted business in the market for dyestuffs, textile and leather chemicals last week. While demand held at high levels, it was becoming increasing difficult to obtain adequate material from primary markets. In some countries where supplies was available, it was difficult to arrange for shipping facilities. Such products as sago flour, tapioca flour, gambier and turmeric, arrivals were irregular, and receipts about one-fifth of normal.

Price changes continued upward. One seller advanced prices for liquid spruce extracts; liquid quebracho extract was higher. Spot stocks of gambier were scarce, and market was nominal. Domestic potato dextrin advanced. Tapioca flour demanded a premium for the better grades. Rice and potato starches reflected the higher replacement costs.

Cotton textile production is running at an annual rate well above eleven billion square yards, the largest in the history of the industry, according to the Association of Cotton Textile Merchants. A schedule establishing ceiling prices for six leading types of cotton cloth was recently issued by the OPAC. The price ceilings established are generally about 15 percent below current levels. Meanwhile, trading in cotton goods generally was suspended pending clarification of the new ruling.

Price Changes

Advanced

Dextrin, potato, ½c. per lb.
Gambier, common, 1c. per lb.
Cubes, Singapore, ½c. per lb.
Quebracho ext., liquid, ¼c. per lb.
Spruce ext., liquid, ½c. per lb.
Starch, potato, 10 pts. per lb.
Rice, 1c. per lb.
Tapioca flour, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
225.7	224.7	194.7	144.6

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Demand steady. Market position firm.

Alumina Chloride.—Supplies tightening. Selling restricted. Prices firm.

Ammonia Acetate.—Business confined to regular channels as a rule. Prices remain the same.

Ammonia Bichromate.—Small lots made up the call. Prices unchanged.

Antimony Salts.—Offerings limited, quotations lack any alteration.

Chrome Acetate. — Market tight. Price nominal.

Potash Bichromate. — Shipments steady against contracts. Prices remain firm.

Potash Prussiate.—Shipments steady to regular channels. Prices rule firm.

Soda Bichromate.—Buying held at good levels, while position of market held firm.

Soda Prussiate.—A steady amount of replacement buying occurred. Prices lacked any alteration.

Sulphonated Oils.—Demand steady. Prices firm at recently established levels.

Zinc Dust.—Market short, offerings restricted. Prices unchanged and firm.

Myrobalans

A shortage of ocean freight space practically cut off shipments of myrobalans from the Far East. In April of this year sellers withdrew quotations entirely. Demand until this time was very strong, being stimulated by the cessation in shipments of sumac supplies from Sicily. India has been the chief source of supply to this country. An export license was required since the outbreak of the war, but no difficulty was encountered in obtaining licenses for shipments to the United States.

Raw arrivals totaled 15,016 tons during 1940, and extract was reported at 327,400 pounds. In 1939 similar imports amounted to 16,551 tons and 1,256,738 pounds, respectively, according to the Department of Commerce.

Since the outbreak of the war domestic prices have risen materially. In August, 1939, price for J1's was $24 per ton, while powdered extract sold at 5c. per pound. The upward trend in freight and insurance rates double prices, with J1's reaching $48 per ton and the extract 10c. per pound.

Dyestuffs

Annatto. — Shipments moderate. Prices failed to change.

Cochineal.—A routine interest prevailed. Prices remain firm.

Fustic.—Shipments steady against contracts. Pricewise a firm tone prevailed.

Hypernic.—The call was moderately active. No change in the prices.

Indigo.—Firm price tone governed the dealings, with takings moderate.

Logwood.—A steady movement remained in evidence. Prices underwent no revision.

Madder Dutch.—Trading quiet. No change occurred in the prices.

Turmeric.—Spot offerings remain light. Prices without change.

Sizing Materials

Albumen, Blood. — Prices display firmness, while demand held steady.

Albumen, Egg. — Domestic prices held firm. Inquiries fairly active, position tight.

Corn, Sugar.—Brisk demand continues. Prices rule firm.

Dextrin, Corn. — Firmness characterized the trading. Shipments were active.

Dextrin, Potato. — Price advanced ½c., ranging from 8½c. to 10c. per pound. Demand steady.

Egg Yolk.—A firm tone prevailed for domestic and imported. Inquiries and shipments held at good levels.

Sago Flour.—Offerings limited, shipments remain uncertain. Prices firm.

Starch, Corn. — Sellers pressed to make deliveries. Market tight. Prices firm.

Starch, Potato.—Prices up 10 points at 5.85c. to 7.10c. per pound. Good inquiry.

Starch, Rice.—Quotations advanced 1c., ranging from 9c. to 10c. per pound. Selling limited.

Starch, Wheat.—A steady inquiry occurred, and market held its firm position.

Tapioca Flour.—Better grade material up ½c., prices ranging from 5c. to 6½c. per pound. Replacement uncertain, and position short.

Tanning Materials

Chestnut Wood.—Shipments steady against contracts. Prices firm.

Cutch.—Prices firm and unchanged. Market position strong.

Divi-Divi. — Inquiries good, shipments uncertain. Prices firm.

Gambier.—Spot stocks limited, common 1c. higher and nominal at 10c. per pound; cubes advanced ½c. to 11c. per pound; no stocks of plantation.

Hematine.—Business moderate, and prices underwent no change.

Hemlock Bark.—Prices firm at higher levels established recently. Demand steady.

Mangrove Bark. — Steady inquiry. Prices failed to change.

Oakbark. — Volume held steady, while prices displayed firmness.

Osage Orange. — A moderate call prevailed. No change disclosed in the prices.

Quebracho.—Price advanced ¼c. for liquid extract, making tanks 4¾c. per pound, and barrels, car lots, 5¼c. per pound. Good demand.

Spruce Extract.—Prices are up ⅛c., making regular, tanks, 1¼c., and barrels, car lots, 1¾c. per pound; super, tanks, 1½c., and barrels, car lots, 2c. per pound.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst. N. C.

Dr. E. K. Bolton Wins 1941 S.C.I. Medal

—Continued from page 3

phia, Pa., in 1886. He graduated from Bucknell University in 1908 with the degree of A.B. and received the degrees of A.M. and Ph.D. from Harvard University in 1910 and 1913 respectively. Dr. Bolton did post-doctorate research at the Kaiser Wilhelm Institute fur Chemie, in Berlin. On his return from Europe in 1915, he entered the employ of E. I. du Pont de Nemours & Co., where he was placed in charge of a group of chemists to study the preparation of synthetic dyes.

Since 1930 Dr. Bolton has been chemical director for the du Pont company. He was intimately associated with the research leading to the development of 'neoprene' and 'nylon' and was in fact instrumental in initiating the research in the du Pont Company on synthetic rubber.

Dr. Bolton is a member of various scientific societies, including the Society of Chemical Industry, the American Chemical Society, of which he is director-at-large, and the American Institute of Chemical Engineers.

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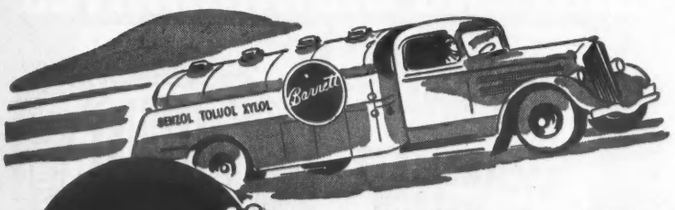

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Coaltar Chemicals

Tight Situation Continues for Intermediates and Tar Acids —Light and Tar Oil Recoveries Remained Upward in May —Orthocresol and Bismark Brown Prices Advanced

The situation underwent little change in the market for coaltar chemicals last week. Sellers were swamped with orders for virtually all materials, and continued to allocate business among regular contract consumers. Benzol, cresols, naphthalene, phenol, toluol and xylol were in a tight position. A restricted selling policy prevailed in practically all intermediates, with anilin, benzaldehyde, betanaphthol dimethylanilin, orthodichlorobenzene and phthalic anhydride in heavy call. Prices were advanced for orthocresol and Bismark brown.

Light oil recovery during May totaled 19,551,474 gallons, against 18,314,702 gallons in April and 17,159,173 gallons in May, 1940. For the first five months this year output aggregated 97,061,610 gallons, compared with 85,202,734 gallons in the like period a year ago. Output of tar oil during May amounted to 59,572,827 gallons, against 55,520,443 in April and 52,017,494 gallons in May a year ago. For the first five months production totaled 294,239,217 gallons, compared with 258,289,409 gallons in the corresponding period last year.

Byproduct coke output in May was 4,845,854 tons, a gain of 8.3 percent over April and compared with 4,474,315 tons in May, 1940. Coke was produced at 84 plants of which 57 made benzol; 55, toluol and 25 naphthalene, according to the Bureau of Mines.

Price Changes

Advanced

Bismark, Brown, 3c. per lb.
Orthocresol, 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	126.6	127.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Marketing tightening, and prices display firmness. May output 12,085,000 gallons, against 11,649,000 in April, and 10,397,000 gallons in May a year ago. First five months production 61,934,000 gallons, compared with 51,141,000 gallons in same period year ago.

Carbazole. — A steady movement against contracts prevailed. Prices remain firm.

Coaltar. — A steady movement against contracts prevailed to keep market position firm.

Creosote Oil.—A good demand kept market in a satisfactory position. May production amounted to 3,612,000 gallons.

Cresols. — Selling continued allocated, and market retained its firmness.

Naphthalene. — Prices remain firm and unchanged. Steady demand with position tight. May output 6,654,000 pounds, against 7,272,000 pounds in April and for first five months totaled 32,947,000 pounds.

Oil, Shingle Stain.—Buying routine. Prices continue firm.

Phenol.—Demand active, and market position remained tight. Prices firm.

Pitch, Coaltar.—Transactions moderately active. Prices hold firm.

Pyridin.—Prices remain firm. A steady demand continued.

Tar Acid Oils.—Market tone firm, while inquiries and shipments held steady.

Toluol. — An active interest prevailed. Prices unchanged and firm. May output 2,483,000 gallons, against 2,181,000 gallons in April and for first five months totaled 11,515,000 gallons.

Xylol. — Market tight, selling restricted to regular channels. Prices held firm.

Cresylic Acid

Increasing demands from the resin and disinfection trades, combined with more active government buying brought about a shortage in cresylic acid. Recently the OPM placed the material on the critical priority list. While the chief source of supply comes from by-product coke, petroleum companies have entered the field in a moderate way. Great Britain, despite the war, has been able to ship large quantities of cresylic acid to this country. While very little export business has been done, the material is subject to an export license.

Domestic output of refined cresylic acid, according to the latest available figures, show 1940 production of 18,371,261 pounds, contrasted with 14,179,382 pounds for the 1939 year.

Imports during 1940 totaled 1,063,489 gallons, compared with 1,156,629 gallons in the 1939 year. In the first quarter this year imports amounted to 362,691 gallons, against 286,305 gallons in the corresponding quarter a year ago.

A gradual advance occurred in prices since the start of the War. On August 28, 1939, high boiling domestic acid was 49c. per gallon in carlots, while imported ranged from 48c. to 54c. per gallon. Currently prices for domestic high boil stand at 76c. per gallon and imported offered at $1.25 to $1.30 per gallon.

Chicago Coaltar Bases

Movement is good on most grades of coaltar bases and the inquiry for additional quantities is reported in fair quantity. Benzol business is reported moderate. Toluol is attracting continued interest. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 25c.; solvent naphtha, 26c.; cresote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane.—Prices unchanged and firm. Buying steady.

Cyclohexanol.—A satisfactory interest prevailed, with prices firm.

Methylcyclohexane.—Business moderately active, and prices unaltered.

Coaltar Acids

Anthranilic.—Dealings moderate, and prices unchanged.

Benzoic.—Steady inquiry from regular channels. Prices firm.

Broenner's.—Dealings routine. Prices underwent no change.

Cleve's.—Consumers made fair size replacements to keep market firm.

Fumaric.—Inquiries and shipments well sustained. Prices rule firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

H.—Transactions strictly routine, and prices the same.

Maleic.—Demand steady, and market position firm.

Malic.—Shipments moderately active. Prices without change.

Picramic.—Steady inquiry. Market displayed firmness.

Picric.—Active interest. Prices firm.

Salicylic. — Buying of technical steady. No change in the prices.

Sulphanilic.—Good buying remained in evidence, and market was firm.

Tobias.—Market firm, and withdrawals steady from regular channels.

Other Intermediates

Alphanaphthol. — Buying steady. Prices hold firm.

Anilin.—Market tight, demand active. Prices remain firm.

Anthraquinone. — Steady inquiry, selling restricted. Quotations firm.

Benzaldehyde. — Good demand for technical. Market position firm.

Benzidin Base.—Withdrawals steady. and market tone firm.

Betanaphthol. — Active interest. Prices lacked any change.

Betanaphthylamine.—Selling usually confined to regular channels.

Dimethylanilin. — Shipments moved at brisk pace. Prices rule firm.

Dinitrobenzene. — Steady movement against contracts. Prices firm.

Dinitronaphthalene. — Withdrawals well maintained, and market retained its firm tone.

Dinitrophenol.—Transactions steady. No change developed in the prices.

Dinitrotoluene.—Market firm, while demand showed no slackening.

Diphenyl. — Shipments moderately active. Prices underwent no change.

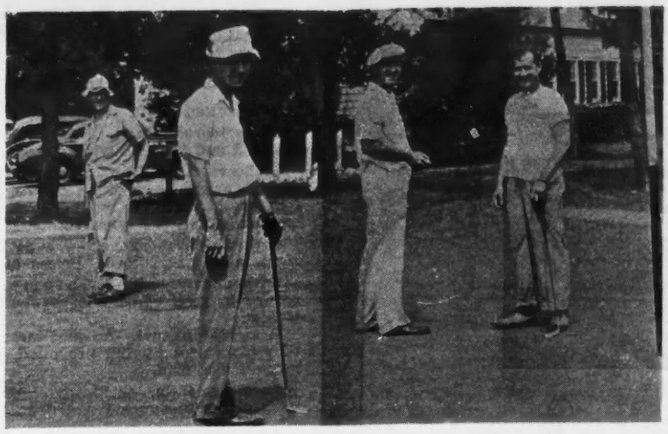
G. Salt.—Dealings continued routine, and prices lacked change.

Metanitroparatoluidin.—Withdrawals moderate, while prices held firm.

Nitrobenzene.—Steady buying, with market in strong position.

Nitronaphthalene. — Shipments steady to regular consumers. Prices remain firm.

—Continued on page 42



Jack Garrett, High Point, N. C., winner of first prize in Piedmont A.A.T.C.C. golfing, stands in the foreground. The other members of the foursome are F. H. Ross, Irvin Laxtor, and Graham McNair, all of Charlotte.

Mrs. Henry Gaede, hostess of Piedmont A.A.T.C.C. outing, looks over the bridge playing. Mrs. J. A. Parker, winner of first prize, sits at left of front table.

Piedmont Textile Group Has Two-Day Outing

—Continued from page 4

ager for the Calco branch; S. I. Parker, sales manager for the Ciba Company; LeRoy Kennette, D. C. Newman, and J. D. Sandridge, of E. I. duPont de Nemours & Co.; Thomas R. Smith, American Association of Textile Chemists and Colorists vice-president; John L. McKee, of the Carbide & Carbon Chemicals Company; H. O. Pierce, Southern manager for the Solvay Sales Corporation; R. B. Macintyre, of the National Oil Products Company; A. Henry Gaede, of the Laurel Soap Manufacturing Company; and representatives of American Aniline Products, Inc., Greigy Company, Mathieson Alkali Works, Morton Chemical Company, Nation Aniline & Chemical Works, Onyx Oil & Chemical Company, Rohm & Haas Company, Stein-Hall & Co., and others.

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Coaltar Chemicals

Other Intermediates

—*Continued from page 41*

Orthochloroanilin. — Prices unchanged and firm. Buying steady.

Orthocresol. — One producer advanced prices 1c., making drums, car lots, works, 17c. per pound, and less car lots, 17½c. per pound.

Orthodichlorobenzene. — Market tight, selling restricted. Prices firm.

Orthonitrotoluene. — Shipments moved in good volume to regular accounts.

Parachlorophenol.—A good amount of replacement buying prevailed, and market was firm.

Paranitroanilin. — Steady inquiry, with prices unchanged and firm.

Cresylic Acid Price

In the advertisement of the Barrett Company on page 32 of OPD for June 30 the price of cresylic acid No. 7 (a) and (b) was wrongly stated by reason of a typographical error. The price in drums, c.l., returnable should have been 86c. per gallon, not 36c.; and l.c.l. it should have been 88c., not 38c.

Paranitrophenol. — Market firm, while shipments were steady.

Paranitrotoluene. — Selling usually confined to regular channels. Prices held firm.

Phthalic Anhydride.—Business remained heavy, and shipments usually allocated. Prices firm.

R. Salt.—Market a routine affair. Prices rule firm.

Thiocarbanilide.—A firm tone governed the dealings, while business remained steady.

Toluidin. — Selling restricted, and market firm.

Xylidin.—Shipments steady to regular channels. Prices underwent no alteration.

Coaltar Colors

A steady demand continued in the market for various coaltar colors last week. Activity remained high in practically all consuming lines, with various branches of the textile trade at capacity levels. This resulted in a good number of orders, which kept some sellers pressed to make deliveries. While a good export inquiry prevailed, sellers were more concerned with taking care of domestic business. As pointed out previously contract prices for third quarter on practically all colors remain firm.

Dyes Output: 1940

Output of unclassified dyes, compiled by Tariff Commission follows:—

	Pounds	
	Production.	Sales.
Acetate silk dyes, total	2,548,080	2,481,144
Black	1,246,740	1,230,370
Brilliant blue	100,755	92,365
Orange	97,602	108,467
Red	76,720	72,509
Rubine	23,873	23,562
Scarlet	36,057	34,378
Violet	22,241	27,306
Yellow	114,943	94,582
Acid black	102,422	90,473
Acid brilliant red	....	4,805
Acid brown	8,203	5,106
Acid milling yellow	24,766	19,112
Acid violet	94,132	86,620
Anthraquinone vat blue	170,427	190,896
Anthraquinone vat gray	27,369	....
Anthraquinone vat khaki	957,637	979,141
Anthraquinone vat navy blue	245,035	235,461
Azoic dyes and their components, total	3,628,561	3,533,150
Dyes:—Rapidogene:—		
Bordeaux	....	37,694
Red	159,048	172,123
Scarlet	77,848	81,837
Yellow	111,675	112,172
Components:—Fast color bases:—		
Bordeaux	19,377	18,381
Garnet	54,588	52,993
Fast color salts:—		
Bordeaux	152,261	138,361
Garnet	52,135	52,386
Red	410,897	....
Scarlet	462,972	487,212
Naphthols:—		
Naphthol AS	737,146	703,044
Naphthol AS. D	35,972	....
Naphthol, AS, SW	218,648	....
Chromate brown	146,327	133,165
Chrome black	....	29,709
Chrome brown	358,991	326,989
Chrome yellow	208,912	126,480
Developed black	301,037	308,194
Developed Bordeaux	207,153	195,999
Developed red	17,319	18,020
Direct blue	109,997	200,809
Direct Bordeaux	....	191,149
Direct brown	93,981	83,776
Direct catechine	165,313	197,644
Direct fast black	483,533	439,996
Direct fast blue	573,946	454,509
Direct fast brown	148,888	160,433
Direct fast gray	31,643	36,587
Direct fast orange	290,164	270,810
Direct fast red	....	196,908
Direct fast yellow	154,251	135,814
Direct navy blue	91,314	94,564
Direct orange	....	8,339
Indigo vat brown	340,640	296,188
Indigo vat pink	538,355	498 546
Neutral brown	15,307	8,338
Oil orange	21,503	21,696
Oil red	163,434	158,854
Silk red	7,234	5,502
Zambesi black	381,952	407,006

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Paint, Varnish, Lacquer Materials

Contract Advances in Earth and Chemical Colors Effective —Titanium Pigments Raised—General Demand Very Heavy —Naval Stores Steadier — Trading in Lead Curbed

Scheduled advances in contract prices for various earth and chemical colors became effective July 1. The advanced price on carbon black became effective, despite attempts of the office of Price Administration and Civilian Supply to halt it until a conference could be held. Titaniums were higher, and lithopone, zinc oxides and zinc sulphides were advanced on the Pacific Coast. Several types of material resins were raised due to tightness in the market.

Demand for practically all paint materials remained very heavy. In many cases producers were unable to accept all orders, and were pressed to fill immediate demands. Southern and local markets for rosin and turpentine, as well as minor pine products, were steadier. Primary receipts were lighter than expected and offerings were generally moderate.

Metallic Lead and Zinc

Stocks of pig lead remained at a low level during the week as consumer demand continued heavy. Trading was restricted. Price was steady and unchanged at New York and St. Louis. Suppliers of slab zinc continued to allocate orders and small amounts were sent into shipment. Price was steady and unrevised.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from June 28 to July 3, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.....@.....†	.....	.. .. ..

* London exchange closed.
† Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from June 28 to July 3, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.....†	.....	.. .. ..

* London exchange closed.
† Holiday.

Pigments

Litharge. — Continued good buying interest. Shipments large. Quotations unaltererd.

Price Changes

Advanced

Black, carbon, bgs., uncomp., c.l., 10 points per lb., f.o.b. plants, l.c.l., ¼c. per lb., ex whse. or dlvd.
compressed, c.l., 17½c. per lb., f.o.b. plants.
l.c.l., ¼c. per lb. ex whse. or dlvd.
bulk, 15 points per lb., f.o.b. plants.
iron oxide, magnetic, ½c. per lb.
mineral, vine type, ½c. per lb.
Blue tungstated, victoria, 15c. per lb.
victoria ink toner, 8c. per lb.
Brown, iron oxide, pure, ½c. per lb.
metallic, ½c. per lb.
sienna, American, ¼c. per lb.
umber, American, ¼c. per lb.
Turkey, ¼c. per lb.
Green, tungstated, 25c. per lb.
Gum, copal, ¼c. to 2¾c. per lb.
Dammar, ¾c. to 3⅝c. per lb.
Lithopone, all grades, Pacific Coast, ¼c. per lb.
Red, Indian, pure and reduced, ½c. per lb.
Cadmium, selenide, light, 5c. per lb.
maroon, 10c. per lb.
oxide, pure and reduced, ½c. per lb.
phosphotungstic rhodamine Y, 25c. per lb.
purple oxide, ¼c. per lb.
Spanish, oxide, ¼c. per lb.
Rosin, gum, 3c. to 5c. per 100 lbs.
Titanium, dioxide, 1c. per lb.
chalk-resistant, 1c. per lb.
non-chalking, 1c. per lb.
barium, magnesium or calcium base, ¼c. per lb.
calcium-rutiel base, ¼c. per lb.
Turpentine gum, 2c. per gal.
s.d., 2c. per gal.
Yellow, chrome, 1c. per lb.
oxide, natural and synthetic, ¼c. per lb.
zinc, 1½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	**128.6**	**128.0**	**126.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Paint, Varnish, Lacquer Sales: May

The value of paint, varnish, lacquer and fillers sold in May as reported by 680 establishments to the Bureau of Census, was $58,413,147. Details of sales reported by these establishments and comparative data for 1940 follow:—

		Classified sales reported by 580 establishments				Unclassified sales reported by 100 establishments.
	Total sales reported by 680 establishments.	Trade sales of paint, varnish, and lacquer.	Industrial sales			
			Total.	Paint and varnish.	Lacquer.	
1941.						
January	$34,604,629	$16,314,158	$15,092,044	$10,777,855	$4,314,189	$3,198,427
February	33,690,870	15,767,081	14,973,684	10,385,374	4,588,310	2,950,105
March	40,185,294	19,565,115	17,033,354	12,124,491	4,908,863	3,586,425
April	51,963,528	27,972,286	19,266,308	13,858,056	5,408,252	4,724,934
May	58,413,147	32,517,730	20,544,155	15,044,905	5,499,250	5,351,262
Totals (5 mos.)	$218,857,468	$112,136,770	$86,909,545	$62,190,681	$24,718,864	$19,811,153
1940.						
January	28,666,635	13,549,867	12,317,340	8,369,445	3,947,895	2,799,428
February	26,537,573	13,042,704	11,146,277	7,584,649	3,561,628	2,348,532
March	31,592,093	16,144,606	12,639,821	8,681,802	3,958,019	2,807,666
April	37,656,398	20,188,957	13,849,723	9,851,848	3,997,875	3,617,718
May	43,463,222	24,943,448	14,150,310	10,146,311	4,003,999	4,369,464
Totals (5 mos.)	$167,915,921	$87,869,642	$64,103,471	$44,634,055	$19,469,416	$15,942,808
June	37,897,861	21,718,413	12,582,231	9,052,581	3,529,650	3,597,217
July	35,553,580	19,573,840	12,732,233	9,611,083	3,121,150	3,247,507
August	36,441,511	19,302,935	13,651,210	9,703,492	3,947,718	3,487,366
September	35,327,356	18,416,711	13,458,969	9,237,834	4,221,135	3,451,676
October	39,179,174	19,638,441	15,953,121	10,759,348	5,193,773	3,587,612
November	31,892,256	15,115,083	14,048,944	9,578,739	4,470,205	2,728,229
December	28,308,153	12,520,203	13,434,963	9,141,234	4,293,729	2,352,987
Totals (year)	$412,515,812	$214,155,268	$159,965,142	$111,718,366	$48,246,776	$38,395,402

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
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☐ NORMAL BUTYL ACETATE
☐ ETHYL ACETATE
☐ BUTANOL (Normal Butyl Alcohol)
☐ BUTYL PHTHALATE (Dibutyl Phthalate)
☐ SOLOX

Lithopone. — West Coast price advanced ¼c. per pound. Ordinary grade quoted at 4.10c. per pound for carlots and 4.35c. for smaller amounts. Titanated material at 5½c. per pound for carlots and 5¾c. for smaller quantities. Prices are for bag packing; barrels, ¼c. per pound higher.

Orange Mineral. — Demand large. Inquiries steady. Shipments in good volume. Prices unchanged.

Red Lead.—Prices firm and unchanged in sympathy with the metal. Demand heavy.

Titanium Pigments. — Titanium dioxide, and non-chalking and chalk-resistant titaniums were advanced 1c per pound. Titaniums with a barium, magnesium or calcium base, or with a calcium-rutile base, were advanced ¼c. per pound.

White Lead. — Heavy call. Prices firm.

Zinc Oxides. — West Coast prices were advanced ½c. per pound. Carlots of lead-free material in bags were quoted at 7c. per pound delivered to Pacific Coast; 5 percent leaded, at 6⅞c.; 35 percent leaded, 6½c. and 50 percent leaded, 6.56c. Less carlot prices, ¼c. per pound higher, ex warehouse, Pacific Coast. Pigment packed in barrels, ¼c. per pound higher than bag prices.

Zinc Sulphides.—Pacific Coast prices advanced ½c. per pound. Carlots in bags quoted at 8¼c. per pound for the ordinary; 5¾c. for the barium or cal-

Zinc Oxides

With the national defense program demanding more and more of the available supply of zinc in the United States, producers of zinc oxides are undergoing a period of restricted output. In turn, consumers are faced by curtailment of orders, limitation of supplies and inability to obtain more than normal requirements. In many cases, suppliers are dealing only with established customers and are ignoring new business.

The tight supply situation has been accentuated by the drop in imports of zinc oxides due to the European war. In 1939, 3,102,000 pounds of the pigment were shipped to this country. In 1940 this figure dropped to 636,000 pounds. That the trend is still downward can be seen by a comparison of January-March, 1941, imports, which totaled 75,694 pounds, with the similar period of 1940, when the figure was 243,336. Exports from the United States, however, jumped from 1,818,301 pounds in January-June, 1940, to 2,409,277 in the similar period this year. This rise will undoubtedly be halted by recent government action placing zinc oxide under general licensing control.

Pricewise, the market has been fairly stable. In August, 1939, prior to the outbreak of the war, the lead-free zinc oxide in bags was quoted at 6¼c. per pound for car lot delivery. The current price is 6½c., except on the Pacific Coast, where it is 7c.

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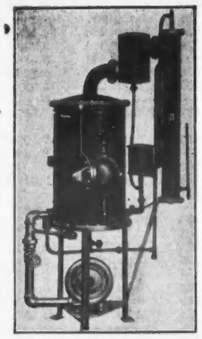

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cium pigment; and 6c. for the magnesium.

Fillers and Extenders

Asbestos. — Demand fairly large. Prices firm and unchanged.

Barytes.—Unchanged for third quarter delivery. Demand better than normal.

Blanc Fixe.—Tone stable. Demand large.

China Clay.—Demand remained better than normal. Quotations unaltered.

Diatomaceous Earth. — Material moving in good volume. Especially heavy call for purified and chemically pure material. Prices firm and unrevised.

Whiting.—Producers pressed to fill all orders. Prices steady.

Dry Colors

Black Iron Oxide.—Contract price advanced ½c. per pound to 8½c. Demand large.

Brown Iron Oxide.—Contract price at 12c., an advance of ½c. per pound.

Carbon Blacks.—Car lots of the uncompressed material in bags advanced 10 points to 3.425c. per pound, f.o.b. plants. Less car lots boosted ¼c. per pound to 7½c., ex warehouse or delivered. Car lots of the compressed material in bags advanced 17½ points per pound to 3.35c., f.o.b. plants. Less car lots advanced ¼c. per pound to 7c. Material in bulk quoted at 3.15c. per pound, an advance of 15 points.

Chrome Yellow.—Advanced ½c. per pound to 14½c. on contract.

Indian Reds.—Advanced ½c. per pound to 9¼c. for the pure and 7¾c. for the 80-85 percent.

Metallic Iron Oxide. — Contract price advanced ½c. per pound to 2¾c.

Mineral Black.—Vine type material ½c. per pound higher on contract. Quoted at 4¾c. per pound.

Phosphotungstic Rhodamine Y.—Advanced 25c. per pound to $4.15.

Red Oxides. — Advanced ¼c. per pound on contract to 9c. for carlots of the pure material; 8¾c. for the 85 percent reduced, and 8¼c. for the 80 percent reduced.

Red Purple Oxide.—Contract price advanced ¼c. per pound to 3¼c.

Siennas.—American types advanced ¼c. per pound to 3½c. for the burnt and 3⅛c. for the raw.

Spanish Red Oxides.—Advanced ¼c. per pound to 4⅝c. for carlots of grade 1, and 4⅛c. for carlots of grade 2.

Tungstated Greens.—Raised 25c. per pound on contract to $3.75 for the brilliant and $2.60 for the emerald.

Tungstated Victoria Blue. — Advanced 15c. per pound to $3.30.

Umbers.—Increased ¼c. per pound to 3¾c. for the American and 5c. for the Turkey, both f.o.b. New York.

Victoria Ink Toner. — Up 8c. per pound to $1.83 and to $1.93 for the synthetic vehicle.

Yellow Oxides.—Advanced ¼c. per pound to 4½c. for carlots of the natural and to 5c. for carlots of the synthetic.

Zinc Yellow.—Increased 1½c. per pound to 17½c.

Lacquer Materials

Business remained at active levels in the market for lacquer materials and solvents last week. Sellers followed the policy of allocating business against contracts. Spot offerings were difficult to find, and the few scattered lots brought premium prices in the outside market. Prices remain firm at recently established levels.

May production of nitrocellulose sheets, rods and tubes amounted to 1,372,445 pounds, against 1,419,626 in the preceding month and 800,346 pounds in the corresponding month a year ago. Output for the first five months this year aggregated 6,398,328 pounds, contrasted with 4,997,066 pounds in the like period a year ago, according to the Department of Commerce.

Acetone. — Market tight. Demand steady. Spot offerings limited. Prices firm.

Butyl Acetate.—Demand active, selling restricted. Prices unchanged.

Cellulose Acetate. — Shipments moderately active, and prices without change. May output sheets, rods and tubes 524,393 pounds, against 402,492 pounds in April and 702,385 pounds in May, 1940. For first five months production totaled 2,351,616 pounds, compared with 3,304,992 pounds in same period year ago.

Dibutyl Phthalate.—Business limited to regular consumers normal needs. Inquiry brisk. Prices firm.

Ethyl Acetate. — Active demand, with market in strong position.

Isopropyl Acetate. — Shipments steady to regular channels. Market position tight, and prices firm.

Tricresyl Phosphate.—Buying brisk. Selling limited. Prices rule firm.

Naval Stores

The tone of rosin and turpentine was steadier in the main last week, the tendency of prices being upward at times although changes were not very pronounced. The government remained out of the market as a seller of turpentine and offerings from other sources were generally moderate in the absence of any material increase in receipts. Official book values on rosin were received in trade circles from Washington in connection with the recent decision on the part of the CCC to decline to make any further

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No. 3 Collapsible Tube Filler (For Hand Operation)

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

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"Color Content Guaranteed"

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Lake Colors
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3. PALE COLOR
COMBINES ALL THESE ADVANTAGES
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5. CHEMICALLY INERT

Because Piccolyte dissolves readily in low-cost petroleum solvents, your over-all cost is reduced appreciably when you use this high-quality, versatile resin.
Furthermore, you have *all* the advantages inherent in synthetic resins, plus the pale color and non-yellowing characteristic of Piccolyte. It is low in cost; chemically inert; compatible with waxes, rubber, cyclized rubber, insobutene rubber; very soluble in white oils; resists acids, alkalies, alcohols, brine; is non-reactive to pigments; is thermoplastic (melting points 10° C. to 125° C.); goes into solution easily, and is unsaponifiable; has a low specific gravity (0.98).
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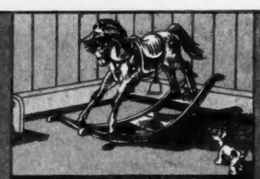

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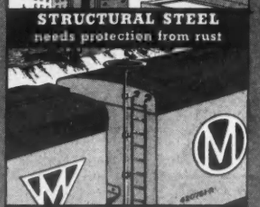
WOODEN FLOORS must withstand scuffing

STRUCTURAL STEEL needs protection from rust



FREIGHT CARS are sunned and rained upon

RAILROAD BRIDGES are subjected to brine and stack-gases

sales of 1939 and 1940 loan rosin in drums or 1940 rosin in barrels at less than the amount advanced to producers, plus accrued charges and interest. The figures were so far above the open market prices at Savannah as to prove prohibitive. Dom-

Turpentine.—Purchasing in the local market was generally limited to small or moderate lots, the movement of

SAVANNAH, July 3.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	36¾	18,100	127	6	12,410
Tuesday	36½	12,250	385	604	12,181
Wednesday	37½	6,100	244	73	12,352
Thursday	38	7,050	310	...	12,662

* No trading.

JACKSONVILLE, July 2.—Turpentine stock, 10,174 barrels.

PENSACOLA, June 27. — Turpentine stock, 9,410 barrels.

Chicago—July 3

Turpentine quiet. Ruling prices at the close of business last night were:—Five-drum lots, 50c. per gallon; five wood barrels, 55c.; single drums, 53c.; single barrels, 58c.

Rosin.—Changes in rosin quotations were generally narrow last week, but

SAVANNAH, July 3.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed.	Thurs. †Fri.
B	...	$1.76	$1.77	$1.77	$1.79 ...
D	...	1.85	1.85	1.85	1.90 ...
E	...	1.85	1.86	1.87	1.90 ...
F	...	1.87	1.88	1.90	1.93 ...
G	...	1.87	1.88	1.90	1.93 ...
H	...	1.89	1.89	1.90	1.93 ...
I	...	1.89	1.89	1.90	1.93 ...
K	...	1.93	1.93	1.95	1.98 ...
M	...	1.99	2.00	2.02	2.04 ...
N	...	2.12	2.12	2.13	2.15 ...
WG	...	2.26	2.26	2.28	2.30 ...
WW	...	2.47	2.48	2.50	2.51 ...
X	...	2.47	2.48	2.50	2.51 ...

	Barrels				
Sales	...	628	202	543	656 ...
Receipts	...	467	938	375	468 ...
Shipments	...	1,070	2,606	876	... ...
Stocks	...	...	...	...	139,616 ...

* No trading.
† Holiday.

JACKSONVILLE, July 2.—Rosin stocks, 306,503 barrels.

PENSACOLA, June 27.—Rosin stock, 37,235 barrels.

Chicago—July 3

Inquiry for rosin is good. Ruling prices at the close of business last night in five-drum lots were:—B grade, $3.06 per hundred pound net; G grade, $3.17; M grade, $3.30; W.W. grade, $3.79.

Other Naval Stores

Pine Oil.—Steady movement to local and other consumers. Market firm.

Pitch.—Business fairly active. Tone firmer.

Rosin.—Purchasing generally limited to moderate lots. Market steady.

Tar.—Selling schedules held at previous levels. Trade fairly active.

Shellac

Prices on shellac soared late last week, following a high jump of values in Calcutta. T. N. rose to 28c. to 29c. per pound; superfine, 29c. to 30c.; bonedry, 35c. per pound; refined bonedry, 41c.; shellac varnish, 5-pound white, $1.55 to $1.60 per gallon; 4½-pound cut, $1.50 to $1.55; 4-pound cut, $1.45 to $1.50; orange, 5-pound cut, $1.45 to $1.50; 4½-pound cut, $1.40 to $1.45; 4-pound cut, $1.35 to $1.40

Driers

Palmitates.—The market activity of the past several weeks was well maintained. Consumers were ordering in good volume. Prices were firm and unchanged.

Stearates. — Producers continued to limit sales due to tightness of stocks. Demand remained heavy. Prices were strong.

Varnish Gums

Advances were recorded in practically all types of natural resins except the Congo copals. The increases were due to tightness in the market occasioned by shipping difficulties.

Synthetic Resins

Ester gum demand continued to hold to good levels. Many producers were pressed to meet immediate demand. Stocks were believed ample to accomodate normal call. Price was firm and unrevised.

Glues and Binders

Casein. — Demand remained very heavy. Suppliers of both the domestic and the Argentine materials continued to quote unchanged prices, although little material was available.

Glues.—Stocks low. Offerings limited. Some grades unavailable. Prices purely nominal.

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Oil, Fats, and Waxes

Heavy Fall in Refined Cottonseed Oil Futures—General Selling on Expectations of Government Ceiling Prices—Soybeans Sharply Lower — Tallow Down — Olive Oil Up

The overshadowing development of the week in the market for oils and fats was a decline of 200 points in refined cottonseed oil futures. This break was due to general selling on expectations that ceiling prices would be fixed by the government at a level much lower than the prices prevailing at the close of the previous week. The course of cottonseed oil had the effect of making buyers and sellers withdraw from the markets for other fats and oils, pending further developments. A sharp drop in soybean futures in the West also had a tendency to make buyers of other commodities inclined to hold off for a time. In such circumstances offerings of some commodities increased, sales being reported at considerably lower prices. On the other hand many products remained firm owing to the smallness of supplies, and in some instances further advances were noted.

Vegetable Oils

Castor, Dehydrated.—Firm at recent advance. Output moving steadily on contracts and transient orders.

Chinawood.—Tone firm. Offerings scarce throughout week. Good inquiry. Imports last week, 185 tons.

Coconut.—Crude offerings remained light. Nominal quotations reduced ½c. Buyers holding off for fresh developments in outside markets. Copra reported easier. Refined oil steady.

Corn.—Crude and refined offerings continued light. Quotations generally nominal.

Oiticica.—Local market firm in absence of increased offerings. Competing product scarce. Good inquiry.

Olive.—Edible oil inquiry more active. Supplies light and diminishing. Quotations nominal. Domestic reported sold at $5 or higher per gallon; imported $5.40 to $5.50, duty paid. Denatured advanced 50c. to 60c. per gallon. Foots steady.

Peanut.—Offerings scarce, crude and refined. Quotations nominal.

Perilla.—Tankcars reported sold at 18½c., and advance of ½c. Manchurian advices stated that a 20 percent increase in perilla seed production is predicted for 1941.

Rapeseed.—Good inquiry. Firm at recent advance.

Soybean.—Market unsettled owing to fall in bean prices and decline in cottonseed oil. Reports of spot offerings at around 10c. per pound, mill points. The acreage under soybean cultivation in Manchuria is expected to be smaller in 1941 than last year.

There was no trading in soybean oil futures on the New York Produce Exchange, from June 30 to July 3, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
July	...	...	9.75 bid
October	...	...	9.25 bid

Olive Oil

Quotations on edible and denatured olive oil advanced sharply in the local market last week, touching the highest levels recorded for many years past. Imported edible oil rose to $5.40 or more per gallon, duty paid, while domestic oil advanced to a minimum of $5 per gallon. Quotations on denatured olive oil ranged from $3.85 per gallon upward. In August, 1939, just prior to the outbreak of the war in Europe, imported edible oil was quoted at $1.75 per gallon and denatured oil 80 cents per gallon.

The abnormally high prices now current are traceable to the war and a curtailment of imports. Existing supplies in this market are small and steadily diminishing. Importations of edible olive oil during the first quarter of 1941 were only 3,616,044 pounds, which compares with 11,386,032 pounds in the same time last year and 15,920,813 pounds in the corresponding period in 1939. Some discussion was created in trade circles last week by a report from Washington that under the terms of a trade deal just concluded, the United States will obtain two shipments of stragetic materials a month, including olive oil, from French North Africa in exchange for American products.

Price Changes

Advanced

Olive oil, denatured, 60c. per gal.
edible, 15c. to 70c. per gal.
Perilla oil, ½c. per lb.
Sperm oil, ½c. per lb.
Teaseed oil, 1½c. to 2c. per lb.
Whale oil, refined, 6/10c. per lb.

Reduced

Coconut oil, crude, ½c. per lb.
Cottonseed oil, crude, 1c. per lb.
Grease, ½c. per lb.
Lard, 50c. to 75c. per 100 lbs.
Soybean oil, ½c. to 1c. per lb.
Tallow, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
161.2	161.4	155.4	102.0

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago, July 3.—Vegetable oils fairly active.

COCONUT.—Refined, edible, 13c. to 13½c. per pound, drums, car lots; 13½c. to 14c., drums, less car lots.

CORN.—Refined, edible oil, 14c. to 14¼c. per pound, drums, car lots; 14½c. to 14¾c., drums, less car lots.

SOYBEAN.—Crude, July-forward, 10c. to 10¼c. per pound.

The market for soybeans on the Chicago Board of Trade was mainly in downward trend. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— July 3.	June 27.
Cash	$1.45½	$1.42½	$1.45½	$1.54
October	1.42¾	1.34	1.36⅜	1.48½
December	1.44	1.35½	1.37⅞	1.50

San Francisco, July 1.—Edible oils have had a tendency to weaken somewhat during the period, the trade feeling the influence of Leon Henderson's statement regarding cottonseed oil prices, but paint and varnish materials remain steady to stronger.

COCONUT.—Sales reported to have been effected today at 6⅛c. to 6¼c. per pound in tankcars, f.o.b. Pacific Coast ports. Offerings very light generally. Copra nominal.

CHINAWOOD.—Offerings light. Demand continues fair. Quoted 30¼c. per pound in tankcars. "Free" oil 33½c. per pound in drums.

OITICICA.—Solid oil quoted at 18c. per pound in drums; liquid at 19c.; f.o.b. San Francisco.

BABASSU.—Quoted 9c. per pound in tankcars, f.o.b. Pacific Coast mills.

COTTONSEED.—Crude grade quoted at 10¾c. to 11c. per pound in tankcars, f.o.b. northern California mills. Futures at 10½c.

PERILLA.—Quoted 18c. per pound in tankcars, f.o.b. Pacific Coast for July-August shipment.

RAPESEED.—Argentine rapeseed oil, refined and denatured, July-August shipment from the Coast at 9½c. per pound in tankcars.

Linseed Oil

Flaxseed in demand and firm. Crop news favorable. Linseed oil more active and firmer.

Flaxseed.—DULUTH, July 3.—The demand for oil and weakness in soybeans have given great impetus to trading in flaxseed and much strength has resulted. Reports are unanimous of an exceptionally fine flaxseed crop in the Northwest. The week's closing flaxseed price range was as follows:—

	Cash.	July.
Saturday	$1.97½	$1.91½
Monday	1.98	1.93
Tuesday	1.97½	1.92½
Wednesday	1.96½	1.91¼
Thursday	1.93½	1.88½

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week..	32,279	11,298	167,851	103,309
Since Aug.1.	11,156,072	4,658,943	8,853,756	4,283,530

MINNEAPOLIS, July 3.—Local flaxseed prices are holding up very well in spite of liberal receipts and outlet for offers is very prompt. Local crushers are taking care of the Southern offers promptly, and there is increasing competition for the Northern offers at diversion points. Eastern and lake shore crushers are unable to get any Argentine supplies of consequence and therefore show stronger interest in the domestic receipts.

During the past week growing conditions for new flax have been ideal and the crop is about as well advanced as last year, though volume of movement is not apt to prove as great in early August this year because of a cool period that prevailed for a time. In the past week weather has been hot and forcing and some of the Iowa and southern Minnesota seed is about ready to turn. There is 1,800,000 bushels of flax in store here, and there will be a reserve that will last until the new-crop movement gains momentum, although mills are running at full speed.

Offers of new seed to arrive are meager because of the bullishness of farmers.

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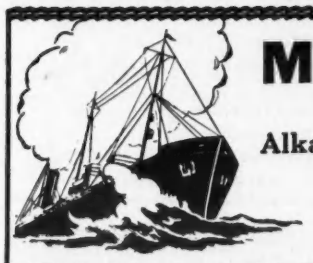
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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

The week's closing flaxseed price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.97½	$1.92½	$1.95
Monday	1.98	1.93	1.95¾
Tuesday	1.97⅛	1.92½	1.95
Wednesday	1.96½	1.91½	1.94
Thursday	1.93½	1.88½	1.93

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	188,800	11,200	19,600	5,600
Since Sept. 1.	11,635,800	4,100,400	2,002,000	2,298,100

WINNIPEG, July 3.—The week's closing flaxseed price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.61⅞	$1.62	$1.54¼
Monday	1.57	1.57	1.51½
Tuesday	....	....	....
Wednesday	1.58½	1.58½	1.49½
Thursday	1.60¾	1.60¾	1.58½

Linseed Oil.—The local linseed oil market continued to be featured by a firm tone despite weakness in some other commodities following the break in soybean and cottonseed oil futures. The differentials between linseed oil in tankcars and oil in drums and barrels widened. There were reports of an increased inquiry. The movement on contracts continued liberal. Advices from outside points reported an active call for shipments on contracts, the movement being sufficient to absorb the output of the mills, which were operating at capacity. Demand for cash seed in Northwestern markets was reported as active. Crop accounts were still mainly of a very favorable character. The first government crop report for the season will be published July 10.

MINNEAPOLIS, July 3.—Heavy demand for linseed oil. Buyers are taking the initiative in forward trade and have to bid up to make contracts. Crushers' conversion return is the best in years and they are able to sell without difficulty. Most of them are loath to sell for later than October shipment because of changing conditions from week to week. In the case of new-year contracts they are trimming down the demands of the buyers to 50 or 75 percent of the total wanted.

Quotations on tankcar lots 10.4c. per pound; cooperage car lots, 11.3c. per pound; warehouse lots, 11.7c. per pound, f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	4,300,000	2,400,000
Since Sept. 1	163,100,000	129,680,000

SAN FRANCISCO, July 1.—Linseed oil active. Deliveries remain excellent. Argentine offerings of flax here at $2.07 per bushel, duty paid. Oil quoted:—Tankcars, 10.2c. per pound; drum car lots, ex mill, 11.1c.; drum lots, ex warehouse, 11.5c.

Cake and Meal.—A firm tone continued to prevail in the meal market. Demand good.

MINNEAPOLIS, July 3.—Linseed meal active. All of the July output has been sold and a large part of the prospective August output also has been contracted for. Quotations on car-load lots, f.o.b. Minneapolis, 100-pound sacks, $32 to $32.50; deferred, $1 to $1.50 more, according to time of delivery.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	6,000,000	2,760,000
Since Sept. 1	316,621,000	171,000,000

Cottonseed Oil

Refined oil futures down sharply in the local market. Cottonseed and products easier in the South.

Cottonseed Oil.—Refined oil futures fell heavily in the local market last week, declining 100 points on Monday and another 100 points on Tuesday. This break was due to general selling on expectations that the government would in the near future announce ceiling prices. On Wednesday a partial rally occurred, the upturn apparently being due in the main to covering of shorts though there was also more or less new buying attributed to trade interests and commission houses as well as local operators. The feeling, however, was more or less mixed and unsettled owing to uncertainty as to when official maximum prices would be established and what the level would be. The margin on cottonseed oil and soybean oil contracts, except for legitimate hedging operations, was raised to $1,200 per contract.

Cottonseed was reported as about $10 per ton lower in the South, though offerings were limited as supplies are said to be light, as usual at this period. There were reports of offerings of crude oil at 70½c. or lower. Sales of tallow were reported at 7¾c. per pound for extra, a decline of ½c. Crude coconut oil was also down about ½c. Soybean futures broke sharply in the West and soybean oil prices were lowered. Lard declined materially at one time but turned steadier later on. Stocks of lard in Chicago increased 5,581,984 pounds during June, bringing the total on June 30 up to 198,863,000 pounds, or about 7,000,000 pounds more than a year ago. Reports in regard to the progress of the cotton crop were more or less conflicting but were regarded as more favorable on the whole than recently. Beneficial rains were reported in parts of the Southeast.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from June 30 to July 3, inclusive, comprised 1,253 contracts. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
July	11.50	11.50	11.25@11.75
September	11.86	10.87	11.24@11.27
October	11.60	10.60	11.09@11.11
December	11.52	10.72	11.07@11.09

Crude, Southeast, 10½c. Nom.

Chicago, July 3.—Refined, edible cottonseed oil, drums, car lots, 13¾c. to 14c. per pound; 14¼c. to 14½c., drums, less than car lots.

Cake and Meal.—Southern markets were less active and easier owing to developments in oil.

Markets at Other Centers

Atlanta, July 2.—Nominally prime crude cottonseed oil is 10½c. per pound. Cottonseed meal for July is quoted at $29 to $29.50 per ton, Southeastern mills. The cotton crop in the Southeast is much improved by rains after the long drouth. The comparatively mild winter allowed many boll weevils to survive and their progeny is now menacing the crop.

Memphis, July 3.—Crude cottonseed oil trading practically at standstill. Nominally 10½c., Valley basis. Meal, 41 percent, $29.50 per ton, Memphis basis. Bulk cake, $26 per ton, Valley points. Bulk hulls, $5.50 per ton; sacked $8.50. Cottonseed trade much disturbed over Henderson's threats to place ceilings on cottonseed products. Much confusion and bitter resentment. Weather hot and sultry. Cotton crop spotted in this section. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	June 26.	July 2.
July	$29.35@——	$27.85@29.75
September	30.00@30.40	29.25@30.00
October	31.10@31.50	30.00@30.35
December	31.90@——	31.00@32.00
January	31.85@32.25	31.15@——

Closing soybean meal futures:—

October	$28.50@——	$27.75@28.15
December	28.40@——	27.75@28.10
January	28.30@28.40	28.00@——

Fatty Acids

Capric Acid.—Steady movement to local and outside consumers. Market firm.

Coconut Oil.—Crude material easier. Fatty acid remained firm. Good inquiry.

Cottonseed Oil.—Steady contract movement. New business quieter owing to decline in raw material.

Myristic Acid.—Business fairly active. Market firm.

Red Oil.—Steady movement to local and other consumers on contracts. New business fairly active.

Stearic Acid.—Contract movement held up well. Transient trade fairly active.

Chicago—July 3

Fatty acids firm. Corn oil, double distilled, 13c. to 13¼c. per pound, tankcar; 13½c. to 13¾c., drums, car lots; 14c. to 14¼c., drums, less car lots; coconut oil, acidulated, 15½c. to 15¾c. per pound, tankcar, nominal; 16c. to 16¼c., drums, car lots; 16½c. to 16¾c., drums, less car lots; cottonseed oil, double distilled, 11¾c. to 12c. per pound, tankcar; 12¼c. to 12½c., drums, car lots; 12¾c. to 13c., drums, less car lots; settled cottonseed soap stock, 60-62 percent basis, 2¾c. to 3c.; boiled down soap stock, 65 percent basis, 4¾c. to 5c.; cottonseed foots, 50 percent basis, 2¾c. to 3c.

—*Continued on page 49*

Socony-Vacuum Oil Company's new tanker, Caddo, second of a fleet of six ships to be built for the company, was launched last week.

Obituaries

Albert C. Cornell

Albert C. Cornell, secretary of the National Carbon Company, this city, died of a heart attack at his Summer home in Milford, Conn., June 29. He was sixty-two years of age.

Mr. Cornell was secretary of the Haynes Stellite Company, Union Carbide Company, Michigan Northern Power Company, Acheson Graphite Corporation and United States Vanadium Corporation. He was also assistant secretary and assistant treasurer of the Union Carbide & Carbon Corporation; secretary and a director of the Kemet Laboratories Company, and the Linde Air Products Company.

He leaves a widow, and a son, Albert C. Cornell, jr., who is in training at Fort McClellan, Alabama. Surviving are his wife and son.

William Guggenheim

William Guggenheim, a member of the Guggenheim family with large copper mining interests and widely philantropist, died in this city June 27. He was seventy-two years of age.

Born in Philadelphia, Mr. Guggenheim graduated from the University of Pennsylvania with a degree in metallurgy and chemistry in 1869. He subsequently became superintendent of the Philadelphia Smelting & Refining Company, Pueblo, Col., and from 1891 until his retirement in 1901, when the firm was consolidated with the American Smelting & Refining Company, he was general manager for M. Guggenheim's Sons in Mexico.

Henry K. Odenwald

Henry K. Odenwald, chemical engineer in the Garfield, N. J., plant of the Heyden Chemical Corporation, died July 1 in Nyack, N. Y., following his being struck by lightning at Nanuet Lake, N. Y., June 29. Mr. Odenwald, before joining the Heyden organization in 1939, was associated with the U. S. Industrial Alcohol Company as control chemist in its Newark plant. He received his B.S. in chemical engineering from the Newark College of Engineering in 1937.

Surviving are his parents.

George E. Black, founder and former president of the Midcontinent Oil & Gas Association, died in his home in Los Angeles, June 23. He was sixty-four years of age.

H. G. Atwood, president and director of Allied Mills, Inc., soybean processor, died in his home in Rochester, Minn., June 27.

George B. Monell, Buffalo salesmanager for the American Can Company for nineteen years died June 26. He was a former president of the Buffalo Paint, Varnish and Lacquer Association.

Wilbur J. Rash, retired vice-president of the Liggett Drug Company, this city, died in his home in Scarsdale, N. Y., June 30. He was sixty-five years of age.

Michael G. Sullivan, wholesale oil dealer, Lexington, Ky., died in Frankfort, June 21.

Dean & Barry Co. Acquires Hanna Paint Co. Control

Columbus, Ohio, July 1, 1941

The Dean & Barry Paint Company has acquired the majority common stock of the Hanna Paint Manufacturing Company and the Columbus Varnish Company. The Dean & Barry company acquired control from the estate of Charles W. Gardner, former president of the Hanna firm, Rose P. Hanna and Mercedes Hanna. In addition to operating a plant in Columbus, the Hanna firm has branches in Louisville and Indianapolis. The Dean & Barry firm, in addition to its plant here, operates thirty-two retail outlets throughout the State.

Alger L. Ward, of the chemical laboratory of the United Gas Improvement Company, Philadelphia, received an honorary degree of doctor of science from Syracuse University at its recent commencement.

YOUR INQUIRIES SOLICITED FOR THESE MATERIALS

FATTY ACIDS
(ANIMAL AND VEGETABLE ORIGIN)

STEARIC ACID

RED OIL
(OLEIC ACID)

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WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE

Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members — Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
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Codes: Yopps, Robinsons, Bentleys A B C, 5th Edition Peerless

DARLING'S
PEARL-STEARIC

A FREE-FLOWING STEARIC ACID IN BEAD FORM

Measures, Weighs, Mixes and Melts Quickly

Also
Slab Stearic Acid
Oleic Acid
Red Oil
Fatty Acids
Glycerine
Pitch—and
Special Fatty Acids for Rubber Compounding

DARLING & COMPANY Manufacturers
4203 South Ashland Avenue • Chicago

Plastic Coldwater Paint, Calcimine Sales Mixed

Sales of plastic and coldwater paints and calcimines reported by sixty manufacturers to the Bureau of Census for May, 1941, were as follows:—

Plastic Paints		
Paste	172,729	$20,380
Dry, casein bound	487,458	31,709
glue bound	157,235	7,904
Totals	817,422	$59,993
Coldwater Paints		
Exterior lime or cement-bound	1,512,038	$102,907
casein-bound	518,885	29,076
Interior, casein-bound, past or semi-paste form	*502,505	513,203
dry-powder form	2,074,133	145,581
glue-bound	431,148	329,462
Totals	.....	$802,408
Calcimines		
Hot-water	2,338,564	$942,277
Cold-water	3,088,874	139,141
Totals	5,427,438	$233,418

*Gallons.

Sales of these products for May, compared with the corresponding period of 1940, were as follows:—

	1941.	1940.
Plastic paints.....lbs.	817,422	777,063
value.	$59,993	$35,643
Cold-water paints..value.	$802,408	$654,965
Calcimines .....lbs.	5,427,438	6,958,977
value.	$233,418	$301,948

Priorities Division Opens Six New Field Offices

Opening of six new field offices of the Priorities Division, Office of Production Management, was announced today by E. R. Stettinius, jr., director. New offices opened today, and the district managers who will operate them, follow:—St. Louis, Mo.—Louis E. Crandall; Denver, Col.—V. L. Board; Detroit, Mich.—Walter Hall; Cleveland, Ohio—W. Thomas Walker; Dallas, Texas—J. Burke Crockett; Pittsburgh, Pa.—Charles F. Cruciger. All the district offices announced today may be reached through Federal reserve banks in the cities named.

W.M. Linnell Retires From Pittsburgh Plate Glass

W. M. Linnell, assistant manager of the Milwaukee warehouse of the Pittsburgh Plate Glass Company, has retired from the company after thirty years of continuous service. He served the company successively as territorial salesman, paint department manager and for the past fifteen years as assistant manager. Mr. Linnell was an organizer and former president of the Milwaukee Paint, Varnish and Lacquer Association.

Chemical Salesmen to Golf

The Salesmen's Association of the American Chemical Industry will hold its second golf tournament of the season at Plandome Golf Club, Plandome, Long Island, July 8. Arrangements are in charge of P. J. LoBue of Joseph Turner & Co., Ridgefield, New Jersey.

Arner Chemical Manufacturing Company, Fort Erie, Ont., was damaged by a $5,000 fire last week.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to June 27 as follows:—

Army Air Corps

Fuel and oil:—$13,930, Shell Oil Company, San Francisco.
Fuel, Engine:—$33,400, Standard Oil Company of Kentucky, Louisville.

Army Medical Corps

Acetanilide:—$25,418.50, Merck & Co., Rahway, N. J.
Azochloramide:—$34,125, Wallace & Tiernan Products, Inc., Belleville, N. J.
Ipecac, Nux vomica, etc:—$17,740, Eli Lilly & Co., Indianapolis.
Medical Supplies:—$34,483.44, Conray Products Company, New York.
Ointment:—$303,205, Frederick Stearns & Co., Detroit.

Army Ordnance

Nitrocellulose:—$356,250, Hercules Powder Company, Parlin, N. J.
Nitrostarch Explosive: — $19,500, Trojan Powder Company, Allentown, Pa.
Oil, Fuel:—$3,090, Gulf Oil Company, Boston.
Oil, Lard:—$4,300, Enterprise Animal Oil Company, Philadelphia.

Army Engineers

Ammonium aluminum sulphate:—$18,562.09, E. I. duPont de Nemours & Co., Grasselli Chemicals Department, Philadelphia.
Calcium hypochlorite: — $20,685.96, The Mathieson Alkali Works, Inc., New York.
Nitrostarch explosive:—$89,400, Trojan Powder Company, Allentown, Pa.

Chemical Warfare Service

Protective ointment:—$437,850, Wallace & Tiernan Products, Inc., Belleville, N. J.

Carlisle Chemical Now Located in Reading, Ohio

The Carlisle Chemical Works, manufacturer of emulsion bases and lubricating oils for the textile trade, has moved its Cincinnati office from the Union Trust building to new quarters in 510 Reading road, Reading, Ohio. The new location will enable the company to consolidate its research laboratories as well as providing enlarged office space. The bulk of the company's operations is carried on at the plant at Warren, Pennsylvania, but due to the expanded operations some of the items will be manufactured at its new Reading plant.

I.G. Sued by British Bankers

A suit has been instituted in the New York Supreme Court by Kleinwort Sons & Co., London bankers, seeking to recover $263,559 from the I. G. Farbenindustrie A. G., whose funds were tied up in the National City Bank of New York by the Department of Justice and by President Roosevelt's executive order freezing Axis assets in United States.

Harry B. Lose has been appointed superintendent of construction in the engineering and construction division of the Koppers Company.

Arthur C. Trask Company, importer, dealer and sales agent, is remodeling and enlarging the offices at its Chicago plant, 4103 So. La Salle street. Some additional manufacturing capacity is also being added.

Oils, Fats and Waxes

—Continued from page 48

Fish Oils

Cod.—Newfoundland oil in fair demand. Stocks moderate. Tone firm.

Menhaden.—Refined oil firm at recent advance. Inquiry more active.

Sperm. — Quotations advanced ½c. per pound. Steady inquiry.

Sardine.—Local market for refined firm in company with crude.

Whale.—Refined oil prices advanced 6 points. Inquiry improved.

Markets at Other Centers

Baltimore, July 1.—Small sales of crude menhaden oil at 56c. per gallon. Later 57½c. bid. Fishing better generally, but quality of fish still rather poor.

San Francisco, July 1.—Sixty cents per gallon was reported to have been paid for a limited number of tankcars of new season California crude sardine oil during the early part of the week, after which all interest appeared to have dried up and the market is resting in a nominal position today. Best bids currently said to be in hand are named at 55 cents, while sellers are holding for 60 cents. Fishing operations on the Oregon-Washington coasts were said to have been light and this was said to be applicable to Prince William Sound, Alaska. Some 500 tankcars of California oil are said to have been contracted, all of which apparently is to come out of Northern State production.

Fats and Greases

Grease.—Trade quieter. Offerings light. Prices down ½c.

CHICAGO, July 3.—Choice white grease, 7½c. to 7¾c. per pound.

Lard.—Domestic trade less active. Cash prices easier with futures.

CHICAGO, July 3.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing July 3.	Closing June 27.
Cash	$10.10	$9.80	$10.10	$10.87
October	10.75	10.00	10.45	11.25
December	10.90	10.15	10.62	11.55

Stearin.—Inquiry is quieter. Spot stocks reported light. Market steady.

CHICAGO, July 3.—Prime oleo stearin, 11c. to 11½c. per pound.

Tallow.—Buyers and sellers inclined to hold off for further developments. Bids of 7¾c. per pound for extra reported early in week. Sales at that figure later.

CHICAGO, July 3.—Inedible tallow, prime, 7¾c. to 7⅞c. per pound; special, 7c. to 7¼c.

Animal Oils

Degras. — Stocks light or moderate. Tone firm. Inquiry good.

Lard.—All grades in fair demand. Market steady.

CHICAGO, July 3.—No. 1 lard oil, 11½c. to 11¾c. per pound.

Oleo.—Trade fairly active. Spot stocks reported light. Market firm.

CHICAGO, July 3.—Extra oleo oil, 11½c. to 12c. per pound.

Tallow.—Market steady. Fair demand.

CHICAGO, July 3.—Acidless tallow oil, 11c. to 11½c. per pound.

Waxes

Bees. — Crude scarce at any price. Strong prices rule on refined and bleached waxes. Demand excellent and expanding. Tendency of prices strongly upward.

Candelilla. — Under heavy demand. High cost of carnauba main factor. Prices maintained at recent rise.

Carnauba.—Strong and feverish market made prices nominal. Very few offerings. Very little stock here. Many buyers. Replacements show high cost. Bids not accepted. Brazilians playing strong hand skillfully.

Japan.—Steady consumption reported. Very firm prices.

Ouricury. — Still an advantageous purchase compared with some grades carnauba. Prices strong. Tending upward.

Turpentine Factors Names Sales Head

Turpentine & Rosin Factors, Inc., Jacksonville, Fla., and Savannah, Ga., has appointed Frank E. Gallagher to supervise sales and merchandising of its package division. Mr. Gallagher, who has been special sales representative in Eastern States for some time past and who has been successful in promoting the distribution of pure gum spirits of turpentine (dehydrated) in lithographed containers bearing the seal of the American Turpentine Farmers Association, will divide his time between the New York and Chicago offices of the company, and will direct its sales activities on canned turpentine under the direction of Prior J. Rooney, manager of the Savannah plant.

F. E. Gallagher

William S. Gray & Co., and Guignon & Green, Inc., are distributors for New York city and vicinity.

Ohio Valley Cooperative Opens Soybean Plant

The Ohio Valley Soybean Cooperative, Henderson, Ky., has completed and started operations of a new soybean oil extracting plant, which will sell oil and soybean meal. Charles Ball Smith, farmer, of Henderson, is president; and G. W. Allen is general manager. The latter was formerly land officer for the Henderson Trust Co., and is also a farmer.

Trade Briefs

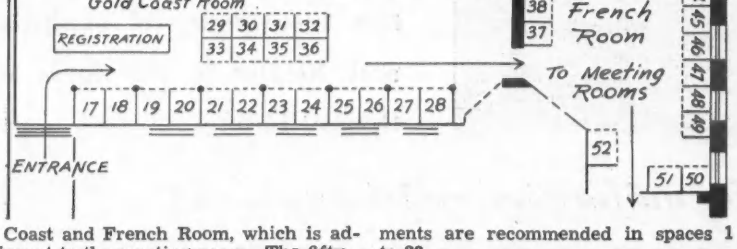
John J. Langan, of James Lovatelli & Co., broker in cottonseed and other vegetable oils, this city, has applied for associate membership in the New York Produce Exchange.

Albert M. Brady, formerly vice-president, has been elected president of the Port Gibson and Leland Oil Mills, Port Gibson, Miss. He succeeds to a vacancy created by the death of Stephen Schillig.

Paint Show Spaces Are Available

The tenth annual Paint Industries Show will be held in conjunction with the annual conventions of the Federation of Paint and Varnish Production Clubs and National Paint, Varnish and Lacquer Association in the Drake hotel, Chicago, October 27-29.

The show will be located in the Gold Coast and French Room, which is adjacent to the meeting room. The fifty-two spaces, pictured herewith, are arranged so that members will pass by them to attend the convention sessions. Double booth space may be obtained on application.



Spaces are $125 each. Dimensions are:—French Room, front 9 feet, depth 8 feet; Gold Coast Room, sides, front 9 feet, depth 10 feet; Gold Coast Room, center, front 9 feet, depth 8 feet. All booth backwalls 6 feet 6 inches high. All booth partitions, 3 feet 4 inches high. Double booth space requirements are recommended in spaces 1 to 28.

Application for exhibit spaces must be made to W. F. Kuster, chairman, Paint Industries Show, care of Carpenter-Morton Company, 376 West Third street, Everett, Mass.

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 7 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

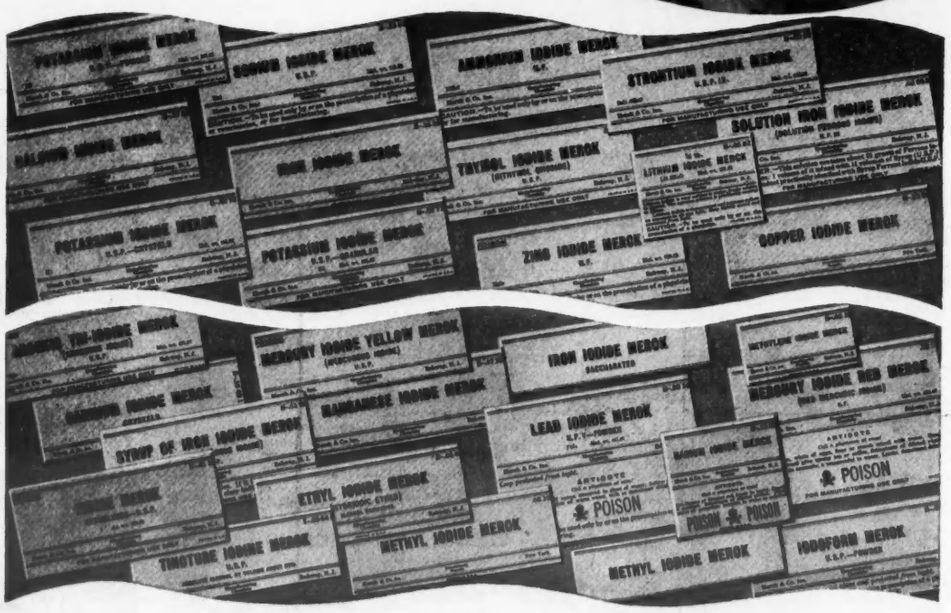
The best that can be produced. It is 100% PURE BEESWAX and measures up to all the requirements of the U. S. P.
SPECIFY TL BRAND
BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon ESTABLISHED 1882 Paterson, N. J.

MERCK IODIDES

All the forms you need under one label

Assembling orders in the Shipping Department of Merck & Co. Inc. at Rahway, N. J.

IODINE was discovered in 1811 by Courtois in the ashes of seaweeds, known as *kelp* and *varec*. Iodides are extensively employed pharmaceutically in many forms, such as the potassium, sodium, and ammonium salts. They have been recommended for their expectorant, diuretic, antirheumatic, antisclerotic, and antisyphilitic actions.



Some of their many uses may be found in the prophylaxis and treatment of certain forms of goiter, in bronchial asthma, subacute and chronic bronchitis, arteriosclerosis, actinomycosis, for promoting the elimination of mercury and lead, as an adjunct in the treatment of syphilis, and locally in the form of thymol iodide.

Standardize on Merck Iodides for uniformity, reliability—and

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MERCK & CO. Inc. *Manufacturing Chemists* RAHWAY, N. J.

New York • Philadelphia • St. Louis • *In Canada:* Merck & Co. Ltd., Montreal • Toronto

Drugs, Fine Chemicals

Gallic, Pyrogallic and Tannic Acids Up — Cocoa Butter Down —North African Tartar to Reach Here Under Vichy-U.S.A.-Britain Arrangement

Heavy demand and growing shortages in the market for drugs and fine chemicals was the ferment that kept prices strong in all cases and practically nominal in many others last week. Conditions were recognized publically by one large manufacturer who notified customers that the time had arrived when in spite of foresight and best judgment since the war began, supplies of a number of its products were diminishing. Stocks of other items were practically exhausted. This despite the fact that the producer's plants were working day and night at full capacity to meet national defense orders and the increasing requirements of regular customers.

Efforts of the Federal government to keep prices down have received the full support of the fine chemical industry. Without such cooperation with the government, the price schedules of the manufacturers unquestionably would be far higher than today. Prices are being held down but more and more become almost meaningless because no goods are available to fill new orders from new customers in many instances. In others, only driblet deliveries are made. In the resale market scarce items command prices far in excess of producers schedules.

Price developments last week included higher quotations on N.F., gallic acid, and U.S.P. pyrogallic and tannic acids, becoming effective July 1 though one producer had advanced values in the previous week. Cocoa butter was lower and dull.

Acetone.—Strong. Not a pound of surplus in hands of producers. Limited quantities in resale market at 15c. per pound. Producers, tanks at 7c.

Castor Oil

Peace time paints and not war time fighting machines have caused the Federal government to decree control over imports and exports of castor oil and castor beans. In 1914-1918, military fighting planes consumed vast quantities of castor oil as a winter lubricant. At present, it is the paint manufacturers, large consumers of huge quantities of castor oil dehydrated to make a drying oil, who must be guaranteed supplies in the future.

Castor beans have been given priority rating by the OPM. Both oil and beans can be exported only under Federal license, according to OPM decree. Priority and license control protects current and future supplies.

The Department of Agriculture has acted to assure supplies in the future. Through the cultivation of 1,700 acres of land in Texas, it expects to secure 1,500,000 pounds of beans to store for future sowing of between 250,000 and 300,000 acres. The yield per acre is expected to be 19 bushels. A Federally fostered cultivation of beans in 1917-1918 yielded 5 bushels per acre against an expected 25 bushels.

Department of Commerce data shows 1939 castor beans imports as 162,610,000 pounds, comparing with 58,074,000 pounds in 1918. In January-March, 1941, 106,373,000 pounds were imported. The same quarter in 1939 recorded 50,062,000 pounds.

Castor oil production totaled 78,605,000 pounds in 1939, the first quarter output being 17,544,000 pounds. In January-March, 1941, 31,141,000 pounds were produced. Castor bean production in Brazil was 277,392,000 pounds in 1940, it was 330,690,000 pounds.

Prices at present are: Castor oil, in tanks, U.S.P., 11c. per pound; No. 3 extracted, technical, 10¾c. These compare with August 25, 1939 as follows: U.S.P., 8c.; No. 3, 7½c. Castor beans: Current quotations, $71 per long ton. On August 25, 1939, it was $45 per long ton.

Price Changes

Advanced

Glycerin, sapon., industrial users, 1c. per lb.
refiners, 1¼c. per lb.
soaplye, 1½c. per lb.
Gallic acid, N. F., 15c. per lb.
Pyrogallic acid, USP, 80c. per lb.
Tannic acid, USP, 15c. per lb.

Reduced

Cocoa butter, 1c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
211.4	211.4	210.7	203.9

Market news that may have developed after this report was sent to press will be found on page 4.

Little chance of substantial expansion of production.

Acid, Acetic.—U.S.P. strong Production engaged far ahead. Some expect production from acetate of lime to be resumed in major volume.

Acid, Acetylsalicylic.—Firm and active. Needs met with fair promptness. Prices well maintained.

Acid, Ascorbic.—Demand active. Tendency toward expansion noted.

Acid, Boric.—Management of plant struck at Trona, Calif., notified 1,250 employees by mail that its plants would open July 2 to all who wanted to work. Believed one unit at least will resume.

Acid, Citric.—Scarcity of tartaric acid raises consumption of citric. Production well engaged. No surplus supplies. Producers strive to prevent goods reaching hands of resale speculators, who quote prices more than 100 percent above the producers' quotations. Not much "bootleg" acid on market.

Acid, Gallic.—N.F. advanced July 1 by 15c. per pound. Market $1.22 to $1.29 per pound according to packing and quantity. Strong.

Acid, Pyrogallic.—Quotations up 30c. per pound July 1, making U.S.P. crystals $2 per pound; resublimed, $2.50. Strong.

Acid, Tannic.—All quotations higher July 1, U.S.P. fluffy, $1.13 to $1.18 per pound. Powder, $1.03 to $1.05.

Acid, Tartaric.—Arrangement between Department of State and the Vichy Government in France, participated in by the British Government, provides four ships to carry tartar, with other cargo, from Casablanca, French North Africa, to United States. Two ships reported sailing for U. S., July 1. Two others began voyage from U. S. to Casablanca. Acting Secretary of State Wells announced agreement. Vessels plying in this

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

SPECIFY HEYDEN
FINE HEYDEN CHEMICALS
Glycerophosphates

THE COMPLETE GROUP OF COMPOUNDS
— Official and Non-Official —
OF ORTHO-GLYCEROPHOSPHORIC ACID

CALCIUM GLYCEROPHOSPHATE N. F.
Powder
•
IRON GLYCEROPHOSPHATE N. F.
Powder
•
MANGANESE GLYCEROPHOSPHATE N. F.
Powder
•
MAGNESIUM GLYCEROPHOSPHATE
Powder
•
POTASSIUM GLYCEROPHOSPHATE
50% and 75% Solutions
•
SODIUM GLYCEROPHOSPHATE N. F.
Crystals and Powder
•
SODIUM GLYCEROPHOSPHATE
50% and 75% Solutions
•
GLYCEROPHOSPHORIC ACID
25% Solution

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HEYDEN
Chemical Corporation
50 UNION SQUARE, NEW YORK, N. Y.
CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J., Fords, N. J.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
220 East 42nd Street, New York City

AGAR AGAR (JAP GELATIN) All grades
CONSUMERS IMPORT CO., INC., 342 Madison Ave., NEW YORK
Phone: VAnderbilt 6-5722-3-4 Cable address: PUREFOOD NEW YORK—All codes

PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
DISTRIBUTORS: THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 Beekman Street, New York City

LEGHORN TRADING CO., Inc.
21 West Street Telephone WHitehall 3-9636-7-8 New York City
TARTARIC ACID
CREAM OF TARTAR
PURE IMPORTED EDIBLE OLIVE OILS
OLIVE OIL FOOTS
RED OIL
PALM OIL
RAPESEED OIL
TEASEED OIL
SESAME SEED OIL
Specialists in Finest California Edible Olive Oil

SODIUM BENZOATE U.S.P.
Standard for a Quarter of a Century
SEYDEL CHEMICAL COMPANY
Established 1904 JERSEY CITY, N.J. BErgen 3-7407

VITAMIN PRODUCTS
FISH LIVER OILS
THE ATLANTIC COAST FISHERIES COMPANY
111 JOHN STREET, NEW YORK, N. Y.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

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QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
POWDERED-GRANULAR
IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
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CHLORTHYMOL
HIGH PHENOL COEFFICIENT
ORBIS PRODUCTS CORPORATION
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BENZOL PRODUCTS COMPANY
237 SOUTH STREET, NEWARK, N. J.
MANUFACTURERS OF FINE CHEMICALS
Phenobarbital
Amino Acetic Acid

VITAMIN A and D CONCENTRATES
Stable: Free from fish taste or odor
ALCOHOL SOLUTIONS of VITAMINS A and D
(Water dispersible)
OLEOVITAMIN A and D
U. S. P.
Tasteless, odorless and palatable
R·W·GREEFF & CO.
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SPARTEINE SULFATE
CRYSTALS AND POWDER
THE INLAND MANUFACTURING CHEMISTS
INLAND
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GENUINE FRENCH PROCESS
ZINC OXIDE
UNEXCELLED IN QUALITY, COLOR, FINENESS, FLUFFINESS AND PURITY
For All Pharmaceutical, Cosmetic and Industrial Purposes
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GENERAL SALES AND EXPORT DIVISION
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Cable Address: Firstoline Telephone: STillwell 4-6613

trade carry British navicerts. Should relieve a very tight situation in raw material for tartaric acid manufacture.

Alcohol.—Little change. Strong and likely to grow stronger. Demand rising. Exceeds production in most plants. Some sales agents of producers can get nothing. Others exist on a rationed supply.

Ammonia Benzoate. — Firm to strong. Active.

Ammonia Citrate.—Excellent volume. Stabilized prices.

Amyl Acetate.—High demand for all kinds. Very firm prices.

Bismuth Metal and Salts.—Excellent demand at very firm prices. No surplus of supplies. Raw material subject to conservation measures.

Borax.—Management struck plant opens gates and invites workers to resume working at Trona, Calif. Recent strikers' vote indicated substantial part of 1,250 workers wanted to work. Opened July 2. Had been closed since March 19.

ACETIC ANHYDRIDE
Tartaric Acid
Cream of Tartar
Rochelle Salt
Saponin
NEUBERG CHEMICAL CORP.
441 LEXINGTON AVENUE, N. Y. C.
TEL. MURRAY HILL 6-1990

Carey PRODUCTS
Carbonate of Magnesia
Oxide of Magnesia
U. S. P. and Technical Grades
THE PHILIP CAREY CO.
Dependable Products Since 1873
LOCKLAND, CINCINNATI, OHIO

Butyl Acetate.—Consumption running high. Strong undertone. Production well engaged. Tendency upward.

Cadmium.—No relief from undersupply in open market. Users without contracts unable to get more than a trickle of metal. Producers' quotations nominal for non-contract buyers.

Caffeine.—Demand excellent. Producers' output well sold. Little prompt delivery material in resale market. Around $8.50 heard. Producers seek to prevent "back-door" disposal of their deliveries.

Calcium Mandalate.—Steady consumption. Not to plentiful supplies. Prices firm.

Camphor.—Demand good. Synthetic sold well ahead. Japanese natural item very steady.

Castor Oil.—One producer widens differential between barrels and tankcars to 1c. per pound. Most deliveries in barrels. Some talk of making drum-tankcar differential ¾c. in place of current ½c.

CHICAGO, July 3.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11⅜c.; No. 3, extracted, returnable drums, car lots, 11⅜c.; drums, less than car lots, 12¾c.; tanks, 11⅛c.

Cocoa Butter.—Down to 22½c. to 23c. per pound, car lots, bulk. Little doing.

Codliver Oil.—Trade rather slow. Market held firm. Replacement in Iceland fully even with minimum spot price, which is about nominal. Sales at $85 per barrel reported. Substitutes not doing so well.

Cream of Tartar.—Shipments of raw material from French North Africa to relieve raw material situation. Cream strong. In good request.

Ethyl Acetate.—N. F., item in normal demand. Prices firm to strong. Reflects production cost rise recently.

Fish Liver Oils.—Firm to strong and lively within the limits of sellers' ability to deliver. Gains in production reported.

SAN FRANCISCO, July 1.—Shark and tuna liver vitamin products in more active demand. Market tending higher in nearly all the A materials. Supplies none too plentiful. New season livers coming in better fashion.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency. 100,000 U.S.P. units vitamin A per gram, 8¼c. to 8½c. per million units, f.o.b. Pacific Coast, in drums; 80,000 units, 7c.; 50,000 to 70,000 units, 6¾c.; 25,000 to 40,000 units, 6c.; lower potency, upwards of 10,000 units, 5½c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 57½c. to 60c. per million units.

Glycerin.—Acute situation in crude. One refiner-consumer reported paying prices refiners-for-consumption sales can pay. Saponification, for refiners, nominally 11½c. per pound; soaplye, 10½c., nominal. For industrial users, car lots, 12½c. per pound; less car lots, 13¼c. Refiners seek price stability. Report good demand.

CHICAGO, July 3.—Glycerin price. C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

Iodine and Iodides.—Prices on crude retained unchanged. Iodides steady. Demand shows seasonal improvement in some items.

Mercurials.—Very firm. In good demand. No surplus supplies. Raw material showing fair strength.

Methanol.—Most prices mean little when prompt deliveries on new orders are required. Contracts being filled to extent possible. Minimum quotation, synthetic material, 30c. per gal-

ALL GRADES OF REFINED GLYCERINE
U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY, NEW JERSEY

POTASSIUM SULPHATE C.P. and N.F.
POTASSIUM CHLORIDE C.P. and N.F.
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POTASSIUM CITRATE U.S.P.
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2346-2354 Sedgley Avenue - Philadelphia, Pa.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

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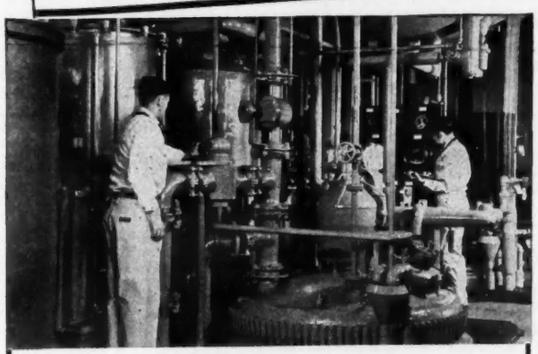
DESIGNED EQUIPMENT
FOR PHARMACEUTICALS OF
CALCO
QUALITY



Safeguarding the dependably high quality of Calco Pharmaceuticals begins literally at the beginning—with equipment designed and installed by our own technical and construction staff. Our steady expansion of facilities is dramatic proof of how well Calco products, produced on Calco equipment merit the confidence of their users.

SULFAPYRIDINE N.N.R. (*and Sodium Monohydrate*)
SULFATHIAZOLE N.N.R. (*and Sodium Monohydrate*)
Nicotinic Acid U. S. P.
Aminoacetic Acid N. N. R.
Nicotinic Acid Amide
Mandelic Acid U. S. P.
Diethylamide of Nicotinic Acid (Nikethamide)
Methylene Blue U.S.P. (Powder—Crystals)
Sulfanilamide U. S. P.
Calcium Mandelate
Cinchophen N. F.
Guanidine Hydrochloride
Neocinchophen U. S. P.
Saligenin
Glutamic Acid HCL
2-Methyl-1,4 Naphthoquinone
PHENOTHIAZINE (For Veterinarian Use)
Certified Colors for Pharmaceutical Use
INTERMEDIATES
Tertiary Amyl Urea
Tertiary Butyl Urea
Pharmaceutical Department
CALCO CHEMICAL DIVISION
AMERICAN CYANAMID COMPANY
BOUND BROOK calco NEW JERSEY

BACKGROUND FOR BETTER BOTANICALS

The personnel of S. B. Penick & Co. is deeply rooted in the botanical drug business. Most of the executives, technical staff and laboratory workers have devoted their business lifetime searching for newer and better ways to provide botanical materials for the manufacture of drug and pharmaceutical products. That's why they know practically everything there is to know about supplying botanicals. They know just what months to obtain certain crops for superior potency, how to grind the crude materials properly, how to convert them into basic derivatives for maximum performance, how to store and package. They are keenly alert to the slightest tendency towards price fluctuations and they endeavor to keep their customers informed of such. In short, they make the house of Penick the headquarters for botanical drugs of all kinds.

"PENICK" — *means everything in botanical drugs.*

We shall be glad to quote on your needs for:

GUMS • CRUDE BOTANICALS • INSECTICIDE BASES • EXTRACTS
ALKALOIDS • COSMETIC RAW MATERIALS

S. B. PENICK & COMPANY

50 CHURCH STREET, NEW YORK, N. Y. **735 W. DIVISION ST., CHICAGO, ILL.**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

lon, Zone 1 in tanks. On group producing 95 percent natural name 42c. minimum but have nothing to offer. Another producer-group with limited quantities 95 percent in hand quote 73c. per gallon declaring price strictly in line with certified production costs.

Methyl Acetone.—Actual deliveries hard to get. All prices practically nominal. Price setup interesting. Actual deliveries made by producers at 60c. per gallon in tanks. Other producers name 50c. in one instance, and 43c. in another but admit inability to take orders. Certified production costs support the 60c. figure.

Quicksilver. — Speculative trading well repressed. Producers use judgment in accepting orders. Government and industrial requirements engage output well ahead. Little spot market. Very firm prices here.

SAN FRANCISCO, July 1.—Spot metal $185 per flask. Available in strictly limited amounts. Market is tending more towards future deliveries, due to sold-out condition on spot. Prices for contract deliveries in fairly wide range, depending upon position. Difficult to trace. Appear to be below the spot quotations.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34¾	*...
Monday	24	34¾	23⅝
Tuesday	24	34¾	23⅝
Wednesday ...	24	34¾	23⅝
Thursday	24	34¾	23⅝
Friday	†..	†..	..

* Market closed.
† Holiday.

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SUBSTITUTES
LACTIC ACID LACTATES
APEX CHEMICAL CO., Inc., 225 W. 34th Street, New York, N. Y.
Factory: Elizabethport, N. J.

PYROCATECHIN
C. P. Crystals and Resublimed Crystals
RESORCIN—(Technical—U. S. P.)
PENNSYLVANIA COAL PRODUCTS CO.
PETROLIA Established 1916 PENNSYLVANIA

Insulin Makers Fined $19,500

—Continued from page 5

Dohme, Inc.; and Carleton H. Palmer, chairman of the board of directors of E. R. Squibb & Sons.

The government nolle prossed the charges against the four remaining individual defendants:—Charles H. Lynn, vice-president, and Earl S. Retter, director of the merchandising division, of Eli Lilly & Co.; Eugene Hugh Long, vice-president of Sharpe & Dohme, Inc.; and John F. Anderson, vice-president of E. R. Squibb & Sons.

A statement issued by E. R. Squibb & Sons said:—

There are at present three licensees who manufacture and distribute insulin, Lilly, Sharp & Dohme, and Squibb. We have no information regarding Lilly, but we are informed that Sharp & Dohme are at present selling below cost and for the year 1940 alone, Squibb suffered a loss of over $20,000, on its insulin sales as established by an audit prepared by an independent firm of certified public accountants. Moreover, for the ten-year period from 1931, profit to Squibb was aquivalent to less than 5 percent of its total sales.

Magnesium Output in 1942 To Reach 76,500,000 Lbs.

Dow Chemical Company expects to produce 30,000,000 pounds of magnesium in 1941, and early in 1942 the company's annual capacity is expected to reach 52,500,000 pounds, according to the Bureau of Mines. The chemical engineering division of the Todd-California Shipbuilding Corporation at Parmanente, near San Jose, Calif., plans to start the production of magnesium in August, 1941, and to increase its capacity to 24,000,000 pounds or more by early 1942. Completion of the expansion program now under way by these two companies will give the United States an annual production capacity of 76,500,000 pounds.

Food, Drug, Cosmetic Dyes Output: 1940

United States production of classified food, drug and cosmetic dyes in 1940 amounted to 559,057 pounds, according to the Tariff Commission. Sales totaled 518,252 pounds. A breakdown of the statistics follows:—

	Pounds	
	Production.	Sales.
Blue No. 1.....	....	6,950
Orange No. 1.....	97,091	87,542
Red No. 2.....	145,474	135,257
Red No. 3.....	10,740	10,881
Yellow No. 5.....	114,923	109,718
Yellow No. 6.....	61,545	60,375

Acheson Colloids Sets Up Defense Problems Dept.

Acheson Colloids Corporation, Port Huron, Mich., has created a new department to handle problems relating to taxes, priorities, patents, social security, administrative laws, and other questions relating to national defense problems. The new department will be in charge of John C. Sprague, secretary of the corporation.

THREE ELEPHANT **BORAX** AND **BORIC ACID**
Purity Guaranteed Over 99.5%

The AMERICAN POTASH & CHEMICAL CORPORATION
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada

TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

Botanical Drugs, Spices, and Gums

Derris and Cube Roots Rise Further to Cover Higher Replacement Cost — Pyrethrum Powder Decline Extended — Ginger in Sharp Advance—Cassia Rising Steadily

Prices on imported botanical drugs pressed steadily upward last week. Scarcity of shipping space was a factor operative on goods coming from the Far East particularly and, to an important extent, of merchandise reaching here from South America. Spice items came in for substantial strengthening notwithstanding the fact that there is no immediate danger of shortage in spot stocks. Medicinal and insecticidal botanicals were fully under the above influence and the very conspicious strength in derris and cube roots was an excellent illustration. Prices continued firm in undertone and the general tendency was upward.

It was noted last week that some quarters show a disposition to raise quotations on botanicals of purely domestic origin. Not all dealers joined in the development of stronger price views and in some instances they pointed out that deliveries of domestic goods were in such volume as to indicate nothing more at this time than prices of substantial firmness. It seemed unlikely that domestic items would be in much less than normal supply when crops are all in.

Balsams

Peru.—Limited stocks decreasing. Prices up to $1.25 to $1.30 per pound. Very few replacement offerings.

Tolu.—Firm. Prices hold. Fair request.

Barks

Barberry.—Little obtainable for import. Spot stocks being conserved.

Black Haw.—Firm despite gains in replacement collections. Little competition between dealers.

Cascara.—Substantially strong position, spot and primary market.

Digitalis

The Federal list of items requiring Federal license for exportation includes digitalis seed. Nothing is said about digitalis leaves. The inference is that the war emergency requires conservation of seed especially. Apparently, no foreign cultivation is considered desirable.

Digitalis seed is solely used to grow digitalis leaves. The leaves grew wild plant and abundantly in the Pacific Northwest long before the war. Since 1939, domestic requirements have been supplied mainly from domestic grown leaves.

Department of Commerce import figures give 1939 imports as 4,115 pounds; 1938, 39,582 pounds; 1937, 56,234 pounds; and 1936, 80,652 pounds. Imports in first quarter of 1941 were 1,200 pounds.

Digitalis seed are not sold regularly in the local botanical drug market. Digitalis leaves at present are priced at 40c. per pound. On August 25, 1939, the price was 35c. per pound.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags	
	Detained.	Entered.
Anise	190	1,355
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	...	1,603
Celery	35	1,101
Coriander	16,396	30,248
Cumin	3,066	12,229
Digitalis leaves (cases)	...	...
Dill	3,118	16,226
Fennel	136	1,474
Henbane leaves (bales)	...	20
Mustard	...	3,721
Poppy	130	3,153
Sage leaves (bales)	218	3,636
Sesame	440	7,235
Stramonium	...	...
Thyme	895	991

Price Changes

Advanced

Cassia, Batavia, thin quill, ½c. per lb.
No. 1 regular, ½c. per lb.
shortstick, 1½c. per lb.
China, select rolls, ½c. per lb.
extra select, broken, ¼c. per lb.
Saigon, 4-10-4, 1c. per lb.
10-6-2, 2½c. per lb.
all thin, 2½c. per lb.
Canary seed, Argentine, ½c. per lb.
Cube root, powdered, 2c. per lb.
Cumin seed, Indian, ¼c. per lb.
Derris root, powdered, 1c. per lb.
Ginger root, African, 5½c. per lb.
Cochin, 4¾c. per lb.
Kamala, 3c. per lb.
Laurel leaves, Turkish, 10c. per lb.
Greek, 9c. per lb.
Licorice root, 4c. per lb.
Mustard seed, California yellow, ½c. per lb.
Montana yellow, ¼c. per lb.
Papain, powdered, 25c. per lb.
Peru balsam, 35c. per lb.
Yellow dock root, 4c. per lb.

Reduced

Areca nuts, powdered, 1c. per lb.
Clove, Zanzibar, ½c. per lb.
Ergot, 5c. per lb.
Laurel leaves, Portuguese, 2c. per lb.
Pimento, 1c. per lb.
Pepper, white Java Muntok, ½c. per lb.
small berry, ¼c. per lb.
Red Mombassa chillies, ½c. per lb.
Pyrethrum flowers, powdered, 1c. per lb.
Sage leaves, Greek, 10c. per lb.
Wormwood leaves, 10c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
273.8	274.2	207.2	211.1

Market news that may have developed after this report was sent to press will be found on page 4.

Cocillana.—Steadier. Demand gains moderately. Firm undertone.

Soap.—Little change locally. Steamer service infrequent from primary market.

Beans

St. Ignatius.—Not too much available. All sellers very firm.

Vanilla.—New developments lacking. Prices strong and nominal. Stocks closely held. Deliveries restricted. Outlook for increase in unsold beans considered poor. Importation of French beans would be needed if stocks were to gain substantially.

Flowers

Chamomile.—Local stocks in strong hands. Firm prices. Fair call.

Elder.—Believed domestic collection was fair this year.

Pyrethrum. — Powder reduced to 22c. to 23c. per pound. Generally easier market as primary sources become lower.

Safflower.—Very firm. In fair request.

Saffron.—Strongly priced and held. Stocks conservative. Replacement difficult and problematical.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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OF HOPKINS' PROFESSIONALLY MILLED, ANALYZED, HIGH STANDARD
CRUDE DRUGS

The earth contributes and J. L. Hopkins & Company distributes every foreign and domestic botanical drug for which there is any commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

✓ALOES
✓ALTHEA ROOT
✓ANISEED
✓ARECA NUTS
✓ASAFOETIDA GUM
✓BENZOIN GUM
✓BUCHU LEAVES
✓CALAMUS ROOT
✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
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- leather dressings
- latex adhesive mixtures
- boiler compounds
- cosmetics

Each KELCO Alginate was developed and is produced especially to do a specific job. Therefore, when writing for samples and prices, please specify the use or uses in which you are interested.

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General Exporter and Importer of Raw Materials from the Near East and Orient
Specializing in Gum Tragacanth
165 BROADWAY WOrth 2-2473,-2474 NEW YORK, N.Y.

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Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

Gums

Arabic.—Very firm. Selling well. Little competition. Sellers reserved.

Asafetida.—Strong at late advance. Replacement of spot stocks uncertain. Steamers hard to get.

Benzoin. — No weakness. Prices well maintained. Current demand moderate.

Myrrh.—Fair reserves in hand being conserved. Replacement arrivals very uncertain.

Tragacanth.—In fair request at firm prices. Strength based mainly on infrequence of steamer arrivals from source. Believed to be plenty of gum at shipment ports.

Herbs and Leaves

Belladonna. — Most dealers have none now. Awaiting marketing of domestic cultivated leaves. Market nominal at $2.40 per pound.

Digitalis. — Some quoting higher prices, minimum being 42c. per pound with sales reported. Still available at 40c.

Henbane.—Most dealers report exhaustion of stocks. Nominal price of $3.40 prevailing.

Laurel.—Higher. Turkish, 58c. to 60c. per pound. Greek, 48c. to 49c. Portuguese, 27c. to 28c. Strong, turbulent market.

Sage.—Greek lower at 90c. to $1 per pound. Domestic production will be valuable.

Wormwood.—Domestic leaves lowered to 60c. to 65c. per pound as stocks increase.

Miscellaneous

Areca.—Powdered shaded to 16c. to 17c. per pound. Might be shaded on firm orders.

Ergot.—Quoted $2.10 to $2.20 per pound. Might be shaded under some conditions.

Kamala.—Firmer and higher at 33c. to 34c. per pound. Replacements difficult and more costly.

Papain. — Up to $2.50 to $2.60 per pound for powder. Not all holders would sell at minimum figure. Unable to get primary market goods at present.

Roots

Angelica. — Some have advanced domestic root to 50c. per pound minimum. Other quarters offer at 35c.

Cube.—Rising steadily. Powder up to 27c. to 28c. per pound on spot. Replacement costs advancing.

Derris.—Advanced to 28c. to 30c. per pound, strong and tending still higher due to rising replacement costs.

Licorice. — Cuttings nominally 28c. per pound. Little available. Imports bound to be at low ebb in future.

Yellow Dock.—Held around 15c. to 16c. per pound. Much firmer as stocks show rising cost.

Seeds

Canary.—Morocco firm at 5c. to 5½c. per pound, being wider range. Argentine seed up to 4c. to 4⅜c.

Cumin.—Indian advanced to 16½c. to 17c. per pound.

Dill.—Sold at fractional rise to 8⅜c. to 8¾c. per pound.

Flea.—Crop of 5,000,000 pounds of Indian seed estimated. May reach 6,000,000 pounds. About 1,500,000 pounds of 1940 crop carried over. January and February exports to U.S. from Bombay record movement of 120,920 pounds seed and 209,419 pounds of husk.

Mustard. — California yellow advanced to 16c. to 16½c. per pound. Montana yellow up 12½c. to 12¾c. per pound.

Sabadilla.—One quarter named 22c. per pound on powder. Others quote upwards of 28c. per pound and report sales thereat.

Spices

Cassia.—Advancing. Batavia, No. 1, thin quill, 20½c. to 21c. per pound; No. 1 regular, 19½c. to 20c.; shortstick, 17c. to 17½c.; broken, 15½c. to 16c. China rolls, selected, 13½c. to 14c.; extra select, broken, 12¾c. to 13¼c.; Saigon, No. 1, 4-10-4, 24½c. to 25c.; 10-6-2, 26½c. to 27c.; all thin, 27½c. to 28c.

Clove.—Zanzibar a further fraction lower at 16½c. to 17c. per pound.

Ginger.—African in sensational advance to 20c. to 20½c. per pound. Cochin up sharply to 18½c. to 19c. No change in Jamaica.

Pepper.—White Java Muntok shaded to 11c. to 11½c. per pound. Small berry, shaded to 10c. to 11c. Mombassa chillies lower at 24½c. to 25c.

Trading in black pepper futures on the New York Produce Exchange from June 30 to July 3, inclusive, comprised 45 contracts. Following is a price record for the week:—

	Cents per pound— High.	Low.	Close.
March	5.64	5.56	5.64@5.65
September	5.43	5.30	5.43@5.45
December	5.55	5.42	5.55 sale

Pimento.—Spot lower at 29c. to 30c. per pound. Might be shaded. Futures, June shipment, 26½c. to 27c.; July-August, 26c. to 26½c.; August September, 25½c. to 26c.

F.T.C. Upheld by Court In Perma-Maid Case

—Continued from page 5

sons, partnerships, or corporations from using unfair methods of competition in commerce and unfair or deceptive acts or practices in commerce. This duty is not discharged by abandoning the complaint upon a showing, not clearly made here, that the unlawful practices have been discontinued. Such showing constitutes no guaranty that they will not be resumed. The law prescribes one effective method, and one only, by which the commission may discharge its duty, i. e., the issuance of an appropriate cease and desist order. The order in no wise injures petitioner and will be an effective aid to it in its efforts to put a stop to the unfair practices.

Buckley, Walden, Rosevear To Continue T.& B. Partnership

The firm of Thurston & Braidich, vanila bean and gum importer, this city, will not undergo any change as the result of the death of Edward J. Young, senior partner, who died June 14. The business will continue without interruption as a co-partnership consisting of Edward S. Buckley, Charles F. Walden, and Charles R. Rosevear, jr. The company had its inception eighty-five years ago under the firm style of Haskell, Merrick & Bull. The firm under its present name has operated for fifty-seven years.

Arthur S. Wendt, chief chemist for Seeley & Co., aromatic chemicals, this city, who has just received the degree of Ph.D. from the Brooklyn Polytechnic Institute, was tendered a reception recently. The subject of his doctorate thesis was the "Synthesis of Glycidic Esters".

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RECTIFIED or TWICE RECTIFIED
For years, Peppermint Oil has been one of our outstanding specialties. By virtue of this fact, it has been our privilege to supply a substantial portion of the Oil Peppermint sold in this country. Today, we are in a position to offer the choicest grade of natural oils, rectified under the most exacting standards, at prices which barely reflect either their true quality or actual market conditions. May we suggest that all users of Peppermint Oil consult us *now* regarding their future requirements of these truly fine Oils.
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FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Bois de Rose Higher Here to Reflect Advancing Replacement Cost—Cananga Advanced Again—Cassia Rise Extended —Domestic Oil Production Expanding

Receding stocks and advancing prices governed in the market for essential oils and aromatic chemicals last week. Changes were fewer and came in articles the price trend of which had been upward for many weeks. The basic market position was strong with most prices holding firmly but showing every intention to climbing to new high levels as demand reduced stocks further and replacements remained problematically uncertain, and obtainable only at rising cost to the importer.

Domestic oils were lacking in real weakness. Production has either started or is about to begin and consequently the usual easing of price views was in line with probabilities. However it seemed unlikely that declines would run very far since the cost of production is not decreasing and the cost of doing business is rising. The outlook was for firmness and even strength once the effect of early offerings has been dissipated. In the main, the outlook was for satisfactory production.

Price Changes

Advanced

Bois de rose, 40c. per lb.
Cananga, 25c. per lb.
Cassia, 15c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
204.5	204.1	199.6	127.2

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—All varities strong. All in low supply. All tending higher in price.

Amber.—No spot offerings at any price.

Angelica.—Stocks small enough to make most quotations about nominal.

Anise.—No change in market and price setup. Reasonable easy. Stocks ample on spot.

Avocado. — Prices well stabilized. Fair request.

Bay.—Steady prices. Stocks ample to meet all current moderate needs. Firm at source.

Bergamot.—Artificial item in excellent rising demand. Prices stronger.

Birchtar.—Crude tending still higher. Eventful elimination of item predicted.

Bois De Rose.—Strong market keeps prices advancing. Market $3 to $3.25 per pound. Export orders in spot market. Source offers sparingly.

Cajeput.—Firm in undertone. Under good request. Little competition.

Camphor. — Fully firm. Stocks in strong hands. Not widely distributed.

Cananga.—Higher at $8.25 to $8.50 per pound for native and $9 to $9.25 for rectified material. Very little available locally.

Caraway.—Next door to unobtainable. Practically nominal market.

Cassia.—Advanced to $2.90 to $3 per pound. Strong at all points. Only one holder at minimum figures. Some do not quote at all.

Cedarleaf.—No higher but growing in strength. Primary market sellers reserved.

Cedarwood. — Demand maintained under stimuli of the season. Prices very firm. Tend higher.

Celery.—Ranging widely with few sellers offering spot goods.

Cinnamon. — Attempts to get oil loaded at source for spot delivery but rarely successful. Strong spot market.

Citronella.—Strong undertone. Replacement cost maintained at high level by transport and insurance costs. Shipments irregular.

Clove.—Showing firmness and stability. Ready market for goods as produced here.

Coriander. — Differences in price views remain substantial and wide. Firm undertones and maintainence of quotations in all quarters.

Croton. — Demand mainly jobbing. Market steady to firm.

Cubeb.—No weakness in comparatively dull market.

Cumin.—Few can offer. Price minimum range widely. Little demand.

Cypress.—Stocks small, Likely to disappear entirely. No replacement of foreign made goods.

Dill.—Growing more active. No general distribution of stocks. Reserves below normal. Firm undertones.

Erigeron.—No trading. Wide variance in sellers' price views.

Eucalyptus. — Winter requirements likely to test ability of dealers to supply. Normal arrivals unlikely from Australia. Doubted that anything will come from Spain.

Geranium.—Purely nominal in absence of even fair jobbing supplies.

Ginger.—Likely to go much higher. Severe rise in raw material cost last week. Goods of unblemished quality strongly held for higher prices.

Juniper.—Limited quantity of new distillation domestic berries offered at $15 per pound. Some quote, but have not a pound.

Juniper Tar. — Underlying strength pronounced due to uncertain position of replacement supplies. Transport a problem.

Lavender. — Limited quantities locally. Held mainly for regular customers of holders. Prices strong.

Lemon.—Demand boosted sharply by highly seasonal weather. Domestic production striving successfully to meet domestic consumers' needs. Prices reasonable.

Lemongrass.—Scarce enough to be a collectors item. Any quotation purely nominal.

Lime.—Hot weather stimulates consumption. Strengthens prices. No shading.

Linaloe.—Strong and offered only in small lots.

Mace.—Leading producers declare high prices and strong market. Resellers take less aggressive view.

Mustard.—Artificial oil being delivered in fair volume from domestic manufacturer. Plant damaged recently.

Orange.—Demand gaining steadily. Pressing strongly against conservative stocks available. Production of home makers being tested severely. Foreign goods cut off.

Palmarosa.—Firm to stronger on spot. Due to uncertainty of replacements. Also high cost of same.

Sweet Almond Oil

One of the effects of the European war is the growth of a domestic industry producing sweet almond oil. France, Italy and the United Kingdom supplied the United States with 106,836 pounds of this oil in 1939 at a cost with which American industry could not compete. The quarterly average for the year was 26,709 pounds. In the first quarter of 1941, only 800 pounds were imported.

California production appeared on the market just when the supply of imported oil became critical. It came on a market where prices were in a strong, upward swing and it was not long before the crop was reported sold into distributive channels. The movement began in March, when the spot price had reached $1.25 per pound.

Prices at present are $1.70 per pound, which compares with 55c. prevailing on August 25, 1939.

Spain has been leading raw material source for the French and British makers. Italy and Turkey have also been notable suppliers of raw material and oil. All of these countries are within the orbit of war influences and all are cut off so far as supplying oil to the United States.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

In Extraordinary Demand
OIL LEMON AMERICAN
Expressed U.S.P. (Calif. C.P.)
Booking your contract now is advised since war conditions have increased demands in the American market for this product. Write for special price schedule.
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Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors ... Since 1885
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO: 221 N. La Salle Los Angeles: 747 Warehouse St.
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
AN MM&R ECONOMY POINTER

WE SPECIALIZE IN REDISTILLING
in our factory. Try our
Oil of Cassia, Redistilled, U.S.P.
Oil of Peppermint, Redistilled, U.S.P.
Every trace of impurity removed. Flavor the finest it is possible to obtain.
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427-429 WASHINGTON STREET, NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

D. W. HUTCHINSON & CO., Inc.
IMPORT **ESSENTIAL OILS** EXPORT
162-164 Front Street Established 1896 New York City

TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
TOMBAREL PRODUCTS CORP.
9-11 East 19th Street : : : New York, N.Y.

OIL of PEPPERMINT
Of American Origin Only
A. M. TODD COMPANY
KALAMAZOO, MICHIGAN

Peppermint. — Distillation of new crop at hand. Outlook favorable for good production. Elimination of Russian oil competition heartens producers.

Petitgrain. — Consumption kept moderate by moderate stocks.

Rosemary.—Firm undertones. Trade routine. No price shading.

Sage.—Purely nominal. Extinct in most dealers warehouses.

Spearmint.—Steady but under new crop influence.

Aromatic Chemicals

Acetophenone.—Sales good.

Amylcinnamic Aldehyde.—Slower.

Amyl Acetate.—Prices strengthen.

Amyl Butyrate.—Sales gain some.

Amyl Salicylate.—Stabilized.

Anethol.—Normal activity.

Anisic Aldehyde.—Moving well.

Benzaldehyde.—Demand excellent.

Benzyl Alcohol.—Prices strengthen.

Benzyl Cinnamate.—Sales up.

Benzyl Formate.—Activity wider.

Benzyl Propionate.—Prices firm.

Benzyl Salicylate.—Broader call.

Benzylidinacetone.—Quieter.

Bromstyrol.—Broad demand.

Cinnamic Aldehyde.—Steady.

Citral.—Expanding demand.

Citronellal.—Firm undertone.

Citronellol.—Needs growing.

Diacetyl.—Prices stable.

Diphenylmethane.—Quieter.

Diphenyl Oxide.—Normal call.

Ethyl Benzoate.—Prices firmer.

Ethyl Butyrate.—Good inquiry.

Ethyl Cinnamate.—Call rising.

Ethyl Oenanthate.—Steady. Quiet.

Ethyl Oxyhydrate.—More active.

Ethyl Vanillin.—Demand upped.

Eugenol.—Firm. Active.

Eucalyptol.—Firm undertone.

Geraniol.—No weakness.

Heliotropine.—Routine trade.

Hydroxycitronellal.—To advance.

Linalool.—Prices strengthened.

Linalyl Acetate.—Broad demand.

Methyl Acetophenone.—Active.

Methyl Cinnamate.—Firm tone.

Methyl Salicylate.—Stronger.

Methylkexyl Ketone.—Firm.

Methylnaphthyl Ketone.—Good call.

Vanillin.—Broad consumption.

Givaudanian Discusses Parahydroxybenzoic Esters

The current issue of the *Givaudanian*, house publication of Givaudan-Delawanna, Inc., synthetic aromatics, this city, features the result of laboratory tests concerning the stability of parahydroxybenzoic esters and their sodium salts, used for many years as cosmetic preservatives. The tests confirm the conclusion of a Danish research scientist who declared the so-called preservatives not stable in the presence of alkali or alkaline substances and consequently not worth while since the esters would shortly be saponified or hydrolyzed to the corresponding acid. Dr. Eric C. Kunz's editorial is "An Unstable 'Stabilizer' Is Hardly Dependable."

Sharp & Dohme Names Joslin Industrial Relations Head

Executives of Sharp & Dohme announce that J. M. L. Joslin has been named director of industrial relations for Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia. Mr. Joslin is a native of Michigan and a graduate of Michigan State College. He was formerly field director of personnel with the Firestone Tire & Rubber Company, and in a similar capacity with other nationally-known companies.

Nutrition Research Names H.M. Dunlop Sales Head

Harry M. Dunlop has joined Nutrition Research Laboratories, Chicago, as salesmanager. Mr. Dunlop will supervise sales activities and distribution of the company's established pharmaceutical preparations, 'Ertron' and 'Bezon,' as well as additional vitamin products which are now being planned.

American Can Company will construct additional plant facilities on a site to be determined in the St. Paul, Minneapolis area.

F. C. Walker has been added to the sales promotion staff of Sharp & Dohme, pharmaceutical manufacturer, Philadelphia.

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If you (as many others have done) will acquaint us with your problem, we are sure that we can effectively and economically improve the odor of your product.
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Branches in Principal Cities

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-eighty-third Instalment

Pigments

Substances Used as or in Making Pigments

(Continued from June 30 issue)

English vermilion
Ferrates
Ferric chromate
Ferric oxide
Ferric silicate
Ferrite black
Ferrite yellow
Ferrous sulphate
Fire-red toner
Frankfort black
Gasco black
Glauconite
Globlaks
Glyceryl phthalate solid colors
Green lakes
Guignet's green
Hematite
Hooker's green
Indian red
Iron black
Iron blues
Iron oxides
Iron phthalates
Iron reds
Iron-phthalocyanin
Italian blue
Ivory black
Keystone black
King's yellow
Kosmolak black
Kosmos black
Kosmovar black
Lacquer blue
Lake colors
Lakoblak
Lampblack
Lead acetate
Lead antimonate
Lead chromate
Lead cyanamide
Lead molybdate
Lead phthalate
Lead tetroxide
Lead tungstate
Leitch's blue
Lime blue
Linsol colors
Litharge
Lithium phthalate
Lithol red toners
Lithopone
Madder
Madder lake
Magnesite
Magnesium nitrate
Magnesium organic peroxides
Magnesium perborate
Magnesium perchlorate
Magnesium persulphate
Mapico colors
Maroon toners
Mercury iodides
Mercury oxides
Metallic brown
Milori blue
Milori green
Mineral black
Molybdated colors
Molybdic acid
Monastral blue
Monastral green
Munich lake
Neospectra black
Nickel oxides
Nitrate green
Nyatomised black
Ochers
Opax
Orange lakes
Oxides
Oxide blacks
Oxide browns
Oxide reds
Para red
Paranitranilin red
Paris blue
Paris green
Peacock blue
Persian gulf oxide
Persian orange
Persian red
Permanent toners
Phosphotungstic acid
Phthalocyanin blue
Phthalocyanin green
Potash blue
Potassium bichromate
Potassium ferricyanide
Potassium ferrocyanide
Potassium nitrate
Potassium perborate
Potassium perchlorate
Potassium persulphate
Potassium-cobalt nitrite
Prussian black
Prussian blue
Prussian green
Purple of cassius
Purple oxide
R-C drop black
Red bole
Red lead
Rinman's green
Rosalic acid
Rose lake
Rose pink
Rottenstone
Rouge
Royal spectra black
Royal yellow
Ruben's brown
Safire blue
Sap brown
Seladonite
Scarlet red
Scheele's green
Schweinfurth green
Sienna, burnt
Sienna, raw
Silicate black
Silver phthalate
Sodium bichromate
Sodium ferricyanide
Sodium ferrocyanide
Sodium molybdate
Sodium nitrate
Sodium perborate
Sodium perchlorate
Sodium persulphate
Sodium-titanium silicate
Soluble blue
Spanish oxide
Spectratex black
Strontium oxide
Strontium white
Surfex
Superba black
Super spectra black
Supertex
Supertone
Tam opax
Tam zircon
Tam zircopax
Tam zirox
Terre verte
Thenard's blue
Thermatonic black
Thermax
Ti bar
Ti cal
Ti dox
Ti oxide
Ti sil
Ti tint
Tidolith
Timonox
Tin oxide
Titanalba
Titanasil
Titanellow
Titanium dioxide
Titanium oxide
Titanium phthalate
Titanium sulphate
Titanium white
Titanolith
Titanox
Tolamite
Toluidin reds
Turkey reds
Turmeric
Turnbull's blue
Turner's yellow
Turquois blue
Tuscon red
Ultramarine blues
Umber, burnt
Umber, raw
Unilith
Van Dyke brown
Varcan black
Venetian red
Verdigris
Vermilion
Victoria red
Victorian green
Viridian
Volcano black
Whiting
Wyex
Yellow lake
Zanth
Zinc chromate
Zinc green
Zinc oxide
Zinc phthalate
Zinc sulphate
Zinc sulphide
Zinc white
Zinc yellow
Zinc-lead ores
Zircon
Zirconium oxide
Zirconium silicate
Zirconium sulphide
Zircopax
Zopaque

Pine Oil

Emulsifiers for Pine Oil

Acacia
Acenaphthalenedisulphonic acid
Agar
Albumen
Algin
Alginates
Alkali salts of palmitylparatoluenesulphonimide
Alkali salts of sterylbenzenesulphonimide
Alkali sludge sulphonate
Alkali-earth salts of palmitylparatoluenesulphonimide
Alkali-earth salts of sterylbenzenesulphonimide
Alkyl ricinoleates
Alkyletheralphathiosulphonic acids and their salts
Alphadiethylaminobetaoxypropylamine
Ammonium linoleate
Ammonium salt of palmitylparatoluenesulphonimide
Ammonium tannate
Amylamines
Amyltetrahydronapthalenecarboxylic acid
Animal and vegetable colloidal substances
Anthracenesulphonic acid
Bardex
Bardol
Bentonite
Butyl acetylricinoleate
Butyl ester of acetylated polymerized ricinoleic acid
Butyl ester of polymerized ricinoleic acid
Butyl ricinoleate
Calcium salt of sterylbenzenesulphonimide
Casamine
Casein solutions
Castor oil, acetylated
Castor oil, acetylated, polymerized
Castor oil, sulphonated
Cetamin
Colloidal clay
Dextrin
Diamylamines
Diethylaminobetaoxypropylamine
Diethylbenzylethylenediamines
Diethylethylenediamine, asymmetrical
Diglycostearate
Egg yolk
Emulsifier B 585
Emulsone B
Ethanolamine
Ethyl acetylricinoleate

(To be continued)

Petroleum Products

Refined Petroleum Markets Without New Feature—Demand Still Very Heavy—Several Products Practically Unavailable—Gulf Coast Gasoline and Pennsylvania Cylinder Oils Advanced

The demand for refined petroleum products remained very heavy last week. Many prospective buyers were unable to acquire adequate supplies. Producers, in several instances, were pressed to meet immediate demands. Takings of the paint trade were especially large. Sole price changes were in Pennsylvania cylinder oils and Gulf Coast gasoline.

It was indicated last week that the Interstate Oil Compact, which would expire on September 21, will be extended another two years. It was unofficially reported that the governors of nine oil-producing states have signed an agreement for extension of the compact and that the agreement soon will be sent to the President for submission to Congress. As the compact has been a factor in keeping crude oil production approximately in line with demand in recent years, no opposition to the extension is expected to develop in Washington.

Price Changes

Advanced

Gasoline, Gulf Coast, ⅛c. per gal., f.o.b. refinery.
Oil, lubricating, Pa., cylinder oils, 1c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Usual heavy demand was seen in the market during the week, with the holiday apparently having little affect on the aggregate tonnage called for. Producers continued to experience difficulty in meeting the demand. Stocks were low and some grades were unavailable. Prices were firm and unchanged.

Cleaners' Naphtha. — Better than normal call remained a feature. Shipments were large. Price firm.

Lacquer Diluent.—There was no letup in the insistent demands from lacquer manufacturers. Orders were being placed in large volume. Price was steady.

Mineral Spirits.—The paint industry continued to come into the market for large-sized amounts of material. Producers were pressed to meet immediate demands. Tone remained stable.

Rubber Solvent.—Deliveries to the rubber industry continued at peak levels. Inquiries were more numerous. New business demand was active. Price was firm and unrevised.

Stoddard Solvent.—Demand broadened. Price firm.

V.M. & P. Naphtha.—Takings of the paint industry were larger in volume and there was a pick-up in inquiries. Price was steady.

Markets at Other Centers

Chicago—July 3

Business good in most grades, with buyers tending to take somewhat increasing amounts. Inquiry for various products used in the paint industry has been increasing, with orders active.

AROMATIC NAPHTHAS.—Large demand, prices strong.
CLEANERS' NAPHTHA.—Active call, market firm.
LACQUER DILUENT.—Buyers taking good amounts, no price change.
MINERAL SPIRITS.—Demand expanding, market hard.
RUBBER SOLVENT.—Interest active, no price change.
STODDARD SOLVENT. — Movement large, prices holding.
V. M. & P. NAPHTHA.—Continued interest, market firm.

New Orleans—July 3

A firm tone was reflected in the domestic market on cleaning solvent and V.M.& P. naphtha during the past week, with quotations remaining unchanged.

CLEANING SOLVENT.—Normal demand; price unchanged.
V.M.& P. NAPHTHA.—Market routine; price firm.

San Francisco—July 3

There is a consistent demand for all materials going into the manufacture of paint and lacquers and the market for petroleum specialties is generally active and firm.

AROMATIC NAPHTHAS. — Continues in excellent demand.
PETROLEUM THINNERS.—Very active.
LACQUER DILUENT.—Good demand.
V. M. & P. NAPHTHAS.—Good movement.
RUBBER SOLVENT.—Steady.
STODDARD SOLVENT.—Normal.
CLEANERS' NAPHTHA.—Routine.

Tulsa—July 3

Demand continued to broaden, especially from the paint trade. Prices were steady.

CLEANERS' NAPHTHA.—Insistent demand. Quotations firm.
STODDARD SOLVENT. — Inquiries moderate. Prices unrevised.
V. M. & P. NAPHTHA.—Fair demand.
RUBBER SOLVENT.—Brisk demand.
MINERAL SPIRITS. — Broader interest. Prices steady.
LACQUER DILUENT.—Good call.

Lighter Fractions

Butane.—The supply situation remained acute as demand continued to broaden during the past week. Offerings were limited. Price firm.

Heptane.—More buying interest was in evidence and shipments were in greater volume. Price was steady.

Hexane.—Market continued to run ahead of last year. Price firm.

Heptane. — Buying heavy. Price steady.

Pentanes. — Demand continued to broaden. Shipments heavier. Price firm.

Propane. — Similar to butane, a scarcity caused limitation of offerings. Price firm to strong.

Markets at Other Centers

Chicago—July 3

Statistical conditions were reported improved in most of these products. Demand held up well in various items. Supplies appeared not overly extensive. Shipments were at good totals.

BUTANE.—Demand heavy, prices strong.
HEPTANE.—Active call, no price change.
HEXANE.—Good movement, market strong.
OCTANES.—Demand excellent, quotations firm.
PENTANES.—Brisk demand, market steady.
PROPANE.—Call active, prices strong.

Tulsa—July 3

Supply is still short of meeting demand. There is a heavy call for all grades.

BUTANE.—Good call. Prices strong.
PROPANE.—Supply limited.
PENTANE.—Broad inquiries.

Petrolatums and Waxes

Paraffin.—The market remained very tight, with many prospective buyers unable to obtain supplies. Prices were strictly nominal.

Petrolatums.—In heavy demand. Prices firm to strong.

White Mineral Oils.—Large movement into consumption. Prices firm.

Markets at Other Centers

Chicago—July 3

The paraffin market continued to show special strength, leading products in this general group. Orders were generally quite extensive. Petrolatums were doing better than recently, with white mineral oils firm.

PARAFFIN.—Offerings limited, market strong.
PETROLATUMS.—Strong tone, prices firm.
WHITE MINERAL OILS.—Better ordering, market steadier.

Tulsa—July 3

Stronger market in the East is causing refiners to strengthen their positions.

PARAFFIN.—Better call. Prices firm.
PETROLATUM.—Slow movement.

Fuels and Lubricants

Gasoline.—Heavy demand. Price stronger.

Kerosene.—Good movement. Price steady.

Lubricating Oils.—The 600-630 flash Pennsylvania cylinder oils were advanced 1c. per gallon to 13½c. to 16c. Other grades firm.

Markets at Other Centers

Chicago—July 3

Gasoline market strong. Supplies dwindling. Kerosene quiet and easier. Lubricants firm.

GASOLINE.—Demand excellent, prices strong.
KEROSENE. — Interest slack, prices holding.
LUBRICATING OILS. — Tone good, market stiff.

New Orleans—July 3

A moderately active tone prevailed in the gasoline market, with all grades exhibiting a slight increase in prices. A normal demand continued to be experienced on Kerosene.

GASOLINE.—Fair demand; all prices slightly advanced.
KEROSENE—Market normal; price unchanged.

Tulsa—July 3

Heavy shipments and demand continued.

GASOLINE.—Large demand.
KEROSENE.—Less interest.
LUBRICANTS.—Market steady.

Tankcar Owners Set Oil Carrying Plans

—Continued from page 4

another front, the senate passed the house approved bill (H. R. 4988) authorizing the Secretary of Commerce to establish loadlines on ships operating between ports on the continental United States which would permit heavier loading than the line established by international treaty, when, in the opinion of the secretary, such loadline will not be above the actual line of safety. This measure, which now merely awaits the signature of the President to make it law, would permit oil tankers to increase their carrying capacity by about 3 percent, and during hearings on the bill, it was testified by Petroleum Coordinator Harold L. Ickes, that this would be the equivalent of a 10-inch pipeline from the producing areas to the East coast.

Action on the Cole pipeline bill, designed to facilitate the construction of pipelines through the granting of the right of eminent domain to pipeline companies in obtaining rights-of-way for the construction of lines needed in the defense program, has been delayed again through the failure of the senate interstate commerce committee to report the measure to the senate.

Trade Briefs

T. L. Stromberger has been named advertising manager for the Union Oil Company of California.

Dwight A. Moore, assistant secretary-treasurer of the Wilshire Oil Company, Inc., Los Angeles, has been elected president of the Petroleum Accountants Society.

Cayuga Oil Company, has changed the location of its principal place of business from Newark to Kingston, N. Y., and has decreased its capital stock from $100,000 to $50,500.

Socony-Vacuum Oil Company, Inc., has increased the output of 100 octane aviation fuel 30 percent at its Beaumont, Tex., refinery by an improvement in processing methods. Production will be increased from 1,000,000 to 1,300,000 barrels annually.

Bradford Oil Co. to Be Auctioned on July 19

Bradford Oil Refining Company, Bradford, Pa., plant, which has been closed for the last six months, will be sold at public auction July 19. The plant has a refining capacity of 2,000 barrels of crude oil daily. Plants, buildings, tanks, roads, tracks and 40 miles of pipe lines will be included in the sale.

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Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

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X In these days of exiguous supply of heretofore necessary materials, there is a bigger-than-ever need in all kinds of enterprises for special, expert advice and assistance for the finding of materials which will carry a process or a formula from the heretofore to the now. Perhaps the finding of another process or formula is called for. That sort of thing—finding this-day materials, processes, or formulas—is what the scientific and professional services adjacently offered are to be consulted for.

Chemical Plants Get Equipment Priorities

—*Continued from page* 3

on raw materials as a result of the defense program and the priorities granted in connection therewith which have made it difficult for manufacturers of repair and maintenance equipment to fill outstanding orders. The effect of this program will be to assure continued operation of essential industries and services which might otherwise have to be curtailed because of inability to secure needed repair or maintenance parts.

The detailed application of the program is stated as follows:—

1318.1—Allocation of materials and equipment for maintenance and repair. Materials and equipment necessary for the maintenance and repair of facilities employed in operations in the following classifications shall be allocated to such use prior to the satisfaction of other competing civilian demands . . .

1318.2—Emergency maintenance and repair. Materials and equipment necessary for emergency maintenance and repair of facilities in the above classifications shall be allocated to such use prior to all other civilian requirements and prior to defense requirements to the extent consistent with the defense program as determined by the Office of Production Management.

1318.3—Avoidance of excessive inventories. Allocations made under this program shall not be used to accumulate excessive inventories, or to divert parts still serviceable.

1318.4—Definitions. As used herein, the term, "maintenance," means the upkeep of property and equipment, and the term, "repair," means the restoration of property and equipment to a sound state after wear and tear, damage, destruction of parts, or the like. These terms include replacement of parts which have been worn out, damaged or destroyed, but do not include replacement when the new part or parts represent a changeover in model, the introduction of superior type equipment to replace usable equipment of an older or inferior type or design, or a substitution more extensive than that which is necessary to replace the part or parts that are worn out, damaged or destroyed.

1318.5—Enforcement. The foregoing program is to be administered and enforced by the Office of Production Management.

Conferences Scheduled

Procedure to be followed in the allocation of raw materials to civilian needs with the least serious disturbance to the defense program will be worked out at a series of conferences between representatives of certain industries and the Civilian Supply Allocation Division of the Office of Price Administration and Civilian Supply, beginning next week, it was announced today by Leon Henderson,

OPACS Administrator

The meetings are designed to secure information from the industries, now faced in many cases with severe curtailment of essential raw materials, concerning the urgency of their needs, and to work out methods of making civilian allocations consonant with the defense program. The first meeting is scheduled to be held July 8 with representatives of the refrigerator industry. Other industries with which conferences will be held, Mr. Henderson said, will include such large users of scarce industrial raw materials (mostly metals) as the makers of automobiles, washing machines, oil burners, steel furniture, and similar consumer goods.

Mr. Henderson announced that it will be the policy of the civilian supply allocation division, once the amounts of scarce materials available for civilian use are ascertained, to allocate sufficient amounts, if possible, to take care of all essential public services such as transportation, power, and health. These uses, he said, would include such industries as railroads, electric power, water supply, gas, oil pipelines, and such other essential needs as food, clothing, and health and safety requirements, generally.

Action is now being taken for the allocation of materials so far as possible for manufacture of repair parts for public utilities, trucks, automobiles, agricultural machinery, and other necessary equipment. Scarce materials will be allocated among other civilian industries in order of need after consideration of such matters as dislocation of labor and effects on manufacturing efficiency.

Magness Succeeds Gould In Plant Industry Bureau

OPD Washington Bureau
July 1, 1941

Completing forty years of service in the Department of Agriculture, H. P. Gould today retired from active duty as head of the Division of Fruit and Vegetable Crops and Diseases of the Bureau of Plant Industry. He will be succeeded in that position by Dr. John R. Magness, who has been a project leader in the division for several years.

Fertilizer Materials

General Fertilizer Materials Market Dull—Feed Products Active —Blood, Menhaden Futures Advanced—Cottonseed Meal Lower—No Report on New Chilean Nitrate Prices

The fertilizer market entered the season more or less inauspiciously, with activity somewhat sluggish. Spot buying was confined to feed materials, except for ordering of nitrate of soda for top-soil dressing. Contracting for new season delivery of chemicals was fairly active, with much of the activity due to consumers' fear of possible shortages.

Importers of nitrate of soda had as yet failed to announce new schedules. Uncertainty regarding shipping facilities during the year is one of the foremost reasons for their failure to do so. Meanwhile, it was reported that stocks of nitrate in this country were dwindling rapidly. A similar situation was reported in the market for potashes, where for the first time in several years sellers entered the new season with very low supplies.

Nitrogenates

Anhydrous Ammonia. — Offerings small. Demand fair. Price firm.

Calcium Nitrate.—No stocks available. Prices withdrawn.

Castor Pomace.—Routine movement. Price steady.

Cyanamid.—Small offerings. Not quoted.

Dried Blood.—Advanced 25c. per unit at New York to $3.50. Chicago price 15c. per unit higher at $3.65. Demand fair.

Fish Scrap.—Price on dried menhaden futures advanced 10c. to $4.60 and 10c. per unit. Fish meal and acid scrap unchanged.

Nitrate of Soda.—Importers have yet made no move regarding new season schedules. Stocks low. Demand good.

Nitrogen Solution.—Producers began writing new contracts at unchanged prices. Demand slow.

Price Changes

Advanced

Blood, dried, dom., f.o.b. N.Y., 25c. per unit.
f.o.b. Chi., 15c. per unit.
Fish scrap, menhaden, dried, futures, 10c. per unit, f.o.b. Chesapeake Bay.
Superphosphate, f.o.b. cars, boats, Balto., $1.50 per ton.

Reduced

Cottonseed meal, 8%, $1 per ton, Southeast mills.

Comparative Values

Index numbers compiled from four typical fertilizer materials, the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
69.1	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Sulphate of Ammonia.—New contracts were being negotiated. As reported, last year's price will be continued through the end of 1941.

Tankage.—Fair call for feed material. Fertilizer grades sluggish. Prices firm and unrevised.

Potashes

Domestic producers reported that new contracts were being negotiated in satisfactory manner. Stocks were low. Prices were firm.

Phosphates

Bone Materials.—Material continued to grow scarce. All prices were firm.

Superphosphate. — Effective July 1, prices were advanced $1.50 per ton to $9.50 for run-of-pile; $10 for guaranteed 16 percent, and $12 for 20 percent. Stocks were low.

Sulphur and Pyrites

Movement of crude sulphur was above normal during the week. Inquiries were numerous and new business was satisfactory. Prices were firm and unchanged.

Markets at Other Centers

Atlanta—July 3

The market for fertilizer materials is quiet. No material changes in prices are reported.

NITRATE OF SODA.—Adjustment to new prices. Very little activity.

SULPHATE OF AMMONIA.—$28 per ton, port basis for interior shipments.

COTTONSEED MEAL.—Eight percent, $29 to $29.50 per ton, Southeast.

NITROGENOUS.—$2.10 per unit, Midwestern producing points.

Baltimore—July 3

The general tendency is upward, with some of the ammoniates making a show of resistance, but with other items recording a higher range or manifesting added firmness.

FISH SCRAP.—Sale of about 500 tons of scrap have been made at $4.60 and 10c. per unit-ton, a 10c. advance. Spot meal is firm at $62 per ton.

SUPERPHOSPHATE. — Run-of-pile at $9.50 per ton, in bulk, with 16 percent flat supplies at $10 and 20 percent flat at $12.

Chicago—July 3

Uncertainty prevails in the fertilizer materials market. Inquiry has held up well but buying seems to have been deferred.

BLOOD.—Principal grade, $3.65 per unit of ammonia.

TANKAGE.—High grade, $4 and 10c.; hoof meal, $2.65 to $2.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $36; 4½ and 50 percent, $36.

—Continued on page 64

Potash Salts

For the first time in many years suppliers of potash salts in the United States began contracting for new season delivery with exceedingly small stocks on hand. Primarily this is due to the comparatively small amounts of material that are dribbling in from Europe. In the first four months of 1939 the United States received 60,796 long tons of potash salts from abroad, principally from Germany and France. In the similar period of 1940 this figure jumped to 166,931 long tons. In January-April, 1941, however, imports amounted to only 18,487 long tons.

Production in the United States is being expanded rapidly by the four major producers in order to offset the drop in imports. Output last year was 658,249 short tons, a 20 percent rise over the 1939 figure of 526,599. This year, however, further expansion has been hampered by a strike at the plant of one of the producers. The strike is now in its sixteenth week. Potash salts are subject to general licensing for export, except for shipment to the Western Hemisphere and Great Britain and its colonies. Despite this, exports have jumped to 26,180 short tons in January-April, 1941, from 2,371 in 1940. The 1939 figure was 27,088.

Prices have shown rising tendencies since it became evident that domestic production would have to suffice for practically all demand. In August, 1939, minimum 50 percent muriate of potash was quoted at 53½c. per unit, compared with a current price of from 56c. to 58c. Run-of-mine manure salts have been raised from 58½c. per unit to 60c. Sulphate of potash has been maintained at $36.25 per ton, but potash-magnesia-sulphate has been advanced from $24.75 to $26.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Domestic
MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH
62/63% K2O, ALSO 50% K2O
MANURE SALTS
22% K2O MINIMUM
UNITED STATES POTASH COMPANY
INCORPORATED
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.
P.C.A. Red Muriate is ideal in your plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Granular Muriate of Potash
Muriate of Potash 50% and 60%
Manure Salts
P.C.A.
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
50 BROADWAY NEW YORK CITY

Shipping Information

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Imports at U. S. Ports

New York Imports

AGAR—65 bls, S B Penick & Co, Yokohama
50 bls, T M Duche & Sons, Yokohama
50 bls, S B Penick & Co, Yokohama
ALOE—74 tins, Wessel, Duval & Co, Porto Cabello
65 cs, Wessel, Duval & Co, Porto Cabello
AMMONIA SULPHIDE—2 dms, Vera Cruz
ANISE—80 bgs, Knickerbocker Mills Co, Vera Cruz
71 bgs, Bank & Trust Co, Vera Cruz
STAR—84 bls, W E Martin, Hongkong
ANNATTO SEED—32 bgs, H Kohnstamm & Co, Kingston
ANTIMONY ORE—2,000 bgs, Rangoon
5,466 bgs, Banco Minero de Bolivia, Antofagasta
207 bgs, Chase National Bank, Callao
1,621 bgs, Banco Minero de Bolivia, Antofagasta
ARROWROOT—800 bbls, Morningstar-Nicol, St Vincent
2,000 bgs, Morningstar-Nicol, St Vincent
ASPHALT—1,260 bgs, Allied Asphalt & Mineral Co, Havana
680 bgs, Allied Asphalt & Mineral Co, Havana
400 bgs, Allied Asphalt & Mineral Co, Havana
340 bgs, Allied Asphalt & Mineral Co, Havana
BALSAM—4 bbls, Citrus & Allied Essential Oil Co, Port Cortez
30 cs, W R Grace & Co, Cristobal
6 dms, W R Grace & Co, Cristobal
BAUXITE—1,397 tons, Aluminum Co of Canada, Port Spain
BEEF LIVER EXTRACT CONC—29 kgs, Lederle Laboratories, Havana
BONE MEAL—2,210 bgs, Buenos Aires
1,102 bgs, Swift & Co, Buenos Aires
BRISTLES—9 cs, F W Von Stade, Kobe
28 cs, S Hirshenhorn & Sons, Dairen
28 cs, L Dreyfus & Co, Dairen
50 cs, F W Von Stade, Dairen
78 cs, S Hirshenhorn & Sons, Dairen
25 cs, H Rosenhirsch Co, Tientsin
25 cs, B J Shapiro, Tientsin
91 cs, N Wagman Co, Dairen
55 cs, F H Cone & Co, Tientsin
44 cs, Dairen
10 cs F H Cone & Co, Dairen
59 cs, Universal Trading Corp, Hongkong
CALCIUM TARTRATE—726 bgs, Charles Pfizer & Co, Buenos Aires
445 bgs, Albert Mevi, Buenos Aires
CAMPHOR, REFD—10 cs, W A Foster & Co, Kobe
CASEIN—417 bgs, Chemical Bank Trust Co, Buenos Aires
455 bgs, Packing Product Co, Buenos Aires
334 bgs, H C Cramer & Co, Buenos Aires
500 bgs, H C Cramer & Co, Buenos Aires
2,550 bgs, Casein Co of America, Buenos Aires
425 bgs, Chase National Bank, Buenos Aires
1,650 bgs, Casein Co of America, Buenos Aires
CASELA—34 bls, A G Dunn, Hongkong
ROLLS—200 bls, A G Dunn, Hongkong
200 bls, J S Toledano & J M Pinto, Hongkong
50 bls, Wood & Selick, Hongkong
CASTOR BEANS—34,000 bgs, Spencer Kellogg & Sons, Bahia
1,700 bgs, National City Bank, Bahia
3,400 bgs, Spencer Kellogg & Sons, Bahia
1,700 bgs, Bahia
1,700 bgs, National City Bank, Bahia
1,694 bgs, Bahia
5,161 bgs, J H Redding, Inc, Bahia
1,503 bgs, National City Bank, Bahia
1,694 bgs, Baker Castor Oil Co, Bahia
1,692 bgs, National City Bank, Bahia
3,388 bgs, National City Bank, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
10,200 bgs, National City Bank, Bahia
5,082 bgs, Guaranty Trust Co, Bahia
1,693 bgs, Lloyd Brasileiro, Bahia
1,700 bgs, Bahia
3,400 bgs, National City Bank, Bahia
1,686 bgs, Guaranty Trust Co, Bahia
1,700 bgs, Spencer Kellogg & Sons, Bahia
1,700 bgs, Baker Castor Oil Co, Bahia
3,400 bgs, Berkshire Chem Co, Bahia
847 bgs, Spencer Kellogg & Sons, Recife
1,700 bgs, Spencer Kellogg & Sons, Recife
3,400 bgs, Spencer Kellogg & Sons, Recife
2,450 bgs, Spencer Kellogg & Sons, Recife
CHEMICALS—85 bbls, H H Rosenthal Co, Osaka
10 bbls, Geigy Co, Lisbon
16 bbls, J E Bernard & Co, Lisbon
9 cs, Hoffman La Roche, Lisbon
9 cs, Rohner, Gehrig & Co, Lisbon
13 cs, Sandoz Chem Works, Lisbon
35 cs, D C Andrews & Co, Buenos Aires
CINCHONA BARK—62 bgs, R D Heins, Puerto Cortez
112 bgs, National City Bank, Cristobal
50 bgs, R D Heins, Cristobal
COCHINEAL—100 bgs, W R Grace & Co, Callao
COCOA BEANS—500 bgs, Hershey Chocolate Co, Port Spain
250 bgs, Wood & Selick, Port Spain
50 bgs, Middleton & Co, Port Spain
500 bgs, National City Bank, Bahia
500 bgs, Bahia
500 bgs, National City Bank, Bahia
700 bgs, National City Bank, Bahia
800 bgs, National City Bank, Bahia
70 bgs, S Stern Stiner & Co, Maracaibo
350 bgs, Machado & Co, La Guaira
1,000 bgs, A Canale, Guayaquil
500 bgs, W R Grace & Co, Guayaquil
250 bgs, A Canale, Guayaquil
3,000 bgs, Fruit Despatch Co, Puerto Limon
9,000 bgs, Fruit Despatch Co, Almerante
500 bgs, Cristobal
1,290 bgs, Bank of London South America, Bahia
1,000 bgs, Bank of London South America, Bahia
COCOABUTTER—460 bls, Philadelphia Natl Bank, Bahia
COCONUT, DESIC—800 cs, Philippine Desic Coconut Corp, Manila
500 cs, Chase National Bank, Manila
3,483 bgs, Durkee Famous Food, Manila
279 pkgs, Philippine Desic Coconut Corp, Manila
2,585 pkgs, General Food Sales Corp, Manila
COCONUT, DESIC—666 cs, Balfour, Guthrie & Co, Manila
1,500 cs, Philippine Desic Coconut Corp, Manila
534 cs, Balfour, Guthrie & Co, Manila
1,440 bgs, General Food Sales Corp, Manila
COCONUT SHELLS—1,007 bgs, Bank of Manhattan, Kingston
COCONUTS—150 bgs, Universal Import & Export Co, Kingston
1,749 bgs, General Food Corp, Kingston
1,080 bgs, General Food Corp, Kingston
CORK—21 bgs, F Henjes, Jr, Inc, Lisbon
45 bgs, Mundet Cork Corp, Lisbon
45 bgs, Freyseng Cork Co, Lisbon
10 bgs, Robinson & Co, Lisbon
44 bgs, Mundet Cork Corp, Lisbon
5 bgs, Mundet Cork & Insulation Co, Lisbon
BOARD—3,000 cs, Mundet Cork & Insulation Co, Lisbon
500 cs, Mundet Cork & Insulation Co, Lisbon
DISCS—161 bls, Lisbon
FLOATS—195 bls, C J Henry Co, Lisbon
VIRGIN—674 bls, Wicander & Co, Oporto
882 bls, National City Bank, Lisbon
3,500 bls, H Stern, Lisbon
1,600 bls, United Cork Co, Lisbon
730 bls, United Cork Co, Lisbon
707 bls, H Suhl, Lisbon
2,331 bls, United Cork Co, Lisbon
3,733 bls, H Suhl, Lisbon
14,000 bls, U M Calderon & Co, Lisbon
500 bls, National City Bank, Lisbon
WASTE—836 bls, H Stern, Lisbon
1,700 bls, Consolidated Cork Corp, Lisbon
1,000 bls, Lisbon
4,050 bls, Cox & Fahner, Lisbon
740 bls, Mundet Cork Corp, Lisbon
216 bls, Atlantic & Pacific Mfg Co, Lisbon
1,100 bls, Mundet Cork Corp, Lisbon
500 bls, Mundet Cork Corp, Lisbon
434 bls, Chase National Bank, Lisbon
352 bls, Congoleum Nairn, Inc, Oporto
547 bls, Congoleum Nairn, Inc, Oporto
WOOD—600 bls, Mundet Cork Corp, Lisbon
900 bls, Cox & Fahner, Lisbon
700 bls, Cox & Fahner, Lisbon
382 bls, Wicander & Co, Lisbon
776 bls, Chase National Bank, Lisbon
339 bls, Wicander & Co, Lisbon
327 bls, Wicander & Co, Lisbon
COTTON LINTERS—486 bls, Hercules Powder Co, Santos
78 bls, Williamson Product Co, Recife
CUTTLEFISH BONES—10 cs, Hinton & Co, Yokohama
199 cs, Manufacturers Trust Co, Lisbon
CYANIDE PRECIP—26 cs, South American Development Co, Guayaquil
DIATOMACEOUS EARTH—100 bgs, 1 crate, Asbestos Corp of America, Recife
DYES, ANILIN—68 dms, L & R Organic Prod Co, Kobe
58 bbls, Geigy Co, Lisbon
123 bbls, J E Bernard & Co, Lisbon
89 dms, Sandoz Chem Works, Lisbon
57 bbls, Geigy Co, Lisbon
169 bbls, J E Bernard & Co, Lisbon
37 bbls, Geigy Co, Lisbon
33 bbls, J E Bernard & Co, Lisbon
58 bbls, Goudrand Shipping Co, Lisbon
44 bbls, Goudrand Shipping Co, Lisbon
EARTH—2 bgs, New York & Cuba Mail S S Co, Vera Cruz
EGG YOLK, DEHN—56 cs, Bridges, Neumer & Co, Tientsin
SPRAY—112 cs, D L Moss & Co, Tientsin
ERGOT—11 dms, R J Prentiss & Co, Lisbon
14 crates, Lisbon
40 cs, National City Bank, Oporto
FISH LIVERS—15 bbls, Atlantic Freighting Co, Funchal
FLAXSEED—3,130 tons, 125,200 bus, Buenos Aires
1,036,000 kilos, 41,440 bus, Buenos Aires
811 bgs, 1,782 bus, Buenos Aires
580 tons, 23,200 bus, Buenos Aires
1,380 tons, 55,200 bus, Buenos Aires
GALANGAL ROOT—67 bgs, R J Prentiss & Co, Hongkong
GASOLINE—84,437 bbls, 3,546,362 gls, Standard Oil Co of N J, Curacao
GINGER ROOT—60 bgs, J A Manton, Kingston
25 bgs, A A Sayea Co, Kingston
50 bgs, A G Dunn, Kingston
50 bgs, I Harrison & Whitney, Kingston
31 bgs, Knickerbocker Mills Co, Kingston
25 bgs, Archibald & Kendall, Kingston
25 bgs, I Harrison & Whitney, Kingston
GLUE—500 bgs, Transatlantic Animal By-Product Corp, Rio Janeiro
GLUESTOCK—94 bls, M Remis, Havana
23 bls, Milligan & Higgins Corp, Buenos Aires
42 bls, Edmond J Lang, Buenos Aires
13 bls, Darmstadt, Scott & Courtney, Buenos Aires
57 bls, Chase National Bank, Buenos Aires
108 bls, Milligan & Higgins, Havana
100 bls, M Remis, Havana
GREASE—5 pls, 2 cs, Asiatic Petroleum Corp, Kingston
GREAVES—1,218 cakes, Weaver & Hugi, Buenos Aires
9 bgs, Weaver & Hugi, Buenos Aires
523 cakes, Van Iderstine Co, Buenos Aires
3 bgs, Van Iderstine Co, Buenos Aires
GUM, ARABIC—200 bgs, Frank Vliet Co, Port Sudan
COPAL—67 bgs, Stroock & Wittenberg, Manila
27 bgs, W H Scheel, Manila
63 bgs, Stroock & Wittenberg, Manila
140 bgs, France, Campbell & Darling, Manila
ELEMI—132 cs, W H Scheel, Manila
KARAYA—133 bgs, Frank Vliet Co, Bombay
HERBS—6 bls, R J Prentiss & Co, Buenos Aires
4 bls, 8 cs, S B Penick Co, Buenos Aires
ILMENITE—48 bgs, J C Murray & Co, Lisbon
INDIGO—110 cs, Ciba Co, Lisbon
KOLA NUTS—100 bgs, D Steengrafe, Kingston
LAUREL LEAVES—194 bls, Commercial National Bank Trust Co, Lisbon
LIQUIDAMBAR—1 dm, Pisa, Nephews & Co, Port Cortez
LOGWOOD—71 tons, 11 cwt, W & A Leaman, Kingston
EXTRACT—10 cks, Cazabon Gentin Co, Kingston
60 cks, American Dyewood Co, Kingston
LOOFAHS—21 bls, Kuhrenther & Merfeld, Inc, Kobe
MATICA LEAVES—146 bls, W R Grace & Co, Antofagasta
MEDICINAL PREPS—12 bbls, Wells, Fargo & Co, Kingston
3 cs, New York & Cuba Mail S S Co, Vera Cruz
MICA, FILM—23 cs, F D Pitts Co, Calcutta
SPLITTINGS—270 cs, Cornelis & Suhl, Calcutta
199 cs, Heyman & Co, Calcutta
225 cs, F D Pitts Co, Calcutta
145 cs, Cornelis & Suhl, Calcutta
100 cs, Heyman & Co, Calcutta
60 cs, Cornelis & Suhl, Calcutta
145 cs, Otto Gerdan Co, Calcutta
24 cs, Cornelis & Suhl, Calcutta
MINERAL—568 bgs, Grace National Bank, Cartagena
14 bgs, Anglo American Metal Corp, La Guaira
MOLASSES—2,250 bbls, American Molasses Co, Barbados
500 bbls, Colonial Molasses Co, Barbados
300 bbls, Williken Tomlinson Co, Barbados
600 bbls, Barclay Bank, Antigua
NUTGALLS—400 bgs, The Aries Co, Hongkong
NUX VOMICA—67 bgs, J L Hopkins & Co, Madras
OIL, ANISE—5 dms, Geo Uhe Co, Hongkong
50 dms, Elbrook, Inc, Hongkong
CASSIA—5 dms, Norda Essential Oil & Chem Co, Hongkong
CASTOR—100 dms, Royal Bank of Canada, Santos
5 cs, New York & Cuba Mail S S Co, Vera Cruz
ESSENTIAL—10 dms, The Aries Co, Hongkong
5 dms, The Arles Co, Hongkong
6 dms, Vera Cruz
4 cs, Roure Dupont, Havana
1 cs, Havana
FUEL—73,632 bbls, Asiatic Petroleum Corp, Aruba
10,000 bbls, Asiatic Petroleum Corp, Curacao
82,115 bbls, Standard Oil Co of N J, Curipito
13,749 bbls, Standard Oil Co of N J, Guiria
OITICICA—149 dms, Bank of California Natl Assn, Fortaleza
124 dms, W R Grace & Co, Fortaleza
125 dms, Murray Oil Product Co, Fortaleza
75 dms, Fortaleza
126 dms, National Bank of California Assn, Fortaleza
227 dms, S L Jones & Co, Fortaleza
126 dms, Chase National Bank, Fortaleza
73 dms, S L Jones & Co, Fortaleza
OLIVE SULPHUR—100 dms, E M Sergeant Pulp & Chem Co, Lisbon
1,592 dms, Leghorn Trading Co, Lisbon
200 dms, E M Sergeant Pulp & Chem Co, Lisbon
ORANGE—1 dm, Dodge & Olcott Co, Kingston
1 dm, Fritzsche Bros, Kingston
1 dm, Magnus, Mabee & Reynard, Kingston
2 cs, Murbas Trading Co, Kingston
8 cs, Murbas Trading Co, Kingston
PIMENTO LEAF—1 dm, J W Manton, Kingston
RAPESEED—260,943 kilos, Bunge North American Grain Co, Buenos Aires
RAPESEED, REFD—75 dms, Buenos Aires
PALMKERNELS—26 bgs, Amenta, Inc, Havana
PAPRIKA—115 bgs, Bankers Trust Co, Lisbon
PIMENTO—25 bgs, A G Dunn, Kingston
25 bgs, R T French Co, Kingston
50 bgs, A G Dunn, Kingston
50 bgs, E S Klinko, Kingston
50 bgs, Jewett & Sherman, Kingston
25 bgs, G T German, Kingston
28 bgs, A G Dunn, Kingston
100 bgs, Otto Gerdan Co, Kingston
25 bgs, E S Klinko, Kingston
PUMICE—190 bgs, Chase National Bank, Ponta Delgada
128 crates, Whittaker, Clark & Daniels, Ponta Delgada
172 crates, C B Chrystal & Co, Ponta Delgada
PYRITES—2,280 bgs, Flomarcy Co, Oporto
QUASSIA CHIPS—400 bgs, S B Penick & Co, Kingston
500 bgs, R J Prentiss & Co, Kingston
QUEBRACHO EXTRACT—4,840 bgs, Tannin Corp, Buenos Aires
1,000 bgs, International Product Corp, Buenos Aires
RHATANY ROOT—58 bgs, A C Villagram, Antofagasta
RHUBARB—150 bgs, Yokohama Specie Bank, Tientsin
SAFFRON FLOWERS—8 bgs, J L Hopkins & Co, Vera Cruz
SCAMMONY ROOT—15 bgs, J L Hopkins & Co, Vera Cruz
SCHEELITE—618 bgs, Philipp Bros, Antofagasta
SESAME SEED—168 bgs, Levy & Levis Co, Shanghai
112 bgs, Credo Commodities Co, Shanghai
448 bgs, Independent Halvah & Candies, Inc, Shanghai
57 bgs, Levy & Levis Co, Shanghai
140 bgs, Archibald & Kendall, Shanghai
300 bgs, Archibald & Kendall, Cristobal
SHELLAC—300 bgs, A Hurst & Co, Calcutta
200 bgs, Mantrose Corp, Calcutta
100 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
525 bgs, Wm Zinsser & Co, Calcutta
200 bgs, MacLac Co, Calcutta
100 bgs, Parke & Co, Calcutta
100 bgs, Cornelis & Suhr, Calcutta
100 bgs, E E Androvette, Calcutta
100 bgs, Mercantile Import & Export Co, Calcutta
100 cs, Mercantile Import & Export Co, Calcutta
200 bgs, Ralli Bros, Calcutta
900 bgs, Wm Zinsser & Co, Calcutta
150 bgs, MacLac Co, Calcutta
300 bgs, Colony Import & Export Co, Calcutta
1,400 bgs, Wm Zinsser & Co, Calcutta
RHATANY ROOT—58 bgs, A C Villagram, Antofagasta
1,000 bgs, E E Androvette, Calcutta
100 cs, E E Androvette, Calcutta
BUTTON LAC—50 bgs, Wm Zinsser & Co, Calcutta
GARNET LAC—11 cs, Wm Zinsser & Co, Calcutta
SEEDLAC—400 bgs, Cornelis & Suhr, Calcutta
600 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
400 bgs, Wm Zinsser & Co, Calcutta
300 bgs, Mantrose Corp, Calcutta
150 bgs, MacLac Co, Calcutta
200 bgs, Ralli Bros, Calcutta
200 bgs, Mercantile Import & Export Co, Calcutta
200 bgs, Dings & Schuster, Calcutta
400 bgs, Ralli Bros, Calcutta
350 bgs, MacLac Co, Calcutta
500 bgs, Mantrose Corp, Calcutta
575 bgs, Wm Zinsser & Co, Calcutta
800 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
WAX—60 kgs, Wm Zinsser & Co, Calcutta
SOAP BARK—255 bls, W R Grace & Co, San Antonio
269 bls, Duncan, Fox & Co, San Antonio
SODA SILICOFLUORIDE—40 bbls, Irving Trust Co, Lisbon
SPONGES—12 bls, Havana
11 bls, Havana
TALLOW—137 bbls, Guaranty Trust Co, Buenos Aires
507 bbls, C Hollinshed Co, Buenos Aires
TAMARINDS—25 bbls, Barclay Bank, Antigua
100 bbls, Barclay Bank, Antigua
TANKAGE—1,000 bgs, Van Iderstine Co, Buenos Aires
2,032 bgs, Tupman-Thurlow & Co, Buenos Aires
686 bgs, Allied Mills, Inc, Buenos Aires
1,010 bgs, Van Iderstine Co, Buenos Aires
2,000 bgs, Swift & Co, Montevideo
TAPIOCA FLOUR—600 bgs, Manufacturers Trust Co, Havana
150 bgs, Amenta, Inc, Havana
250 bgs, Guaranty Trust Co, Havana
250 bgs, Amenta, Inc, Havana
TARTAR—263 bgs, Albert Mavi, Lisbon
205 bgs, Standard Brands, Lisbon
186 bgs, J P Morgan & Co, Lisbon
77 bgs, Standard Brands, Lisbon
490 bgs, Albert Mavi, Lisbon
703 bgs, Albert Mavi, Buenos Aires
325 bgs, Albert Mavi, Buenos Aires
424 bgs, Standard Brands, Oporto
150 bgs, Standard Brands, Oporto
205 bgs, Standard Brands, Oporto
TIN BARILLO—42 bgs, Watson, Geach & Co, Antofagasta
VANADIUM—28,290 bgs, Vanadium Corp of America, Callao
6,462 bgs, Vanadium Corp of America, Callao
400 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—53 cs, Norda Essential Oil & Chem Co, Vera Cruz
30 cs, Vera Cruz
28 cs, F Huber & Co, Vera Cruz
39 cs, Thurston & Braidich, Vera Cruz
23 cs, Vera Cruz
15 cs, F Huber & Co, Vera Cruz
WAX, BEES—21 bls, J A Medina & Co, Puerto Barrios
5 bls, Port Cortez
15 bgs, Vera Cruz
18 bgs, Havana
40 bgs, Havana
10 bgs, Irving Trust Co, Havana
8 bgs, Lopez, Serrano & Co, Havana
23 bgs, Havana
17 bgs, Irving Trust Co, Havana
CARNAUBA—68 bgs, Bank of London South America, Bahia
QUEBRACHO—113 bgs, A Hurst & Co, Bahia
60 bgs, Avon Trading Corp, Bahia
60 bgs, Wessel, Duval & Co, Bahia
146 bgs, E A Bromund Co, Bahia
56 bgs, Wessel, Duval & Co, Bahia
WINE LEES—199 bgs, Valparaiso
252 bgs, Standard Brands, Oporto
254 bgs, Standard Brands, Oporto
WOLFRAM ORE—8,000 bgs, Rangoon
232 bgs, Banco Minero de Bolivia, Antofagasta
440 bgs, National City Bank, Antofagasta
114 bgs, Banco Minero de Bolivia, Antofagasta
200 bgs, J J Gavin & Co, Oporto
100 bgs, J J Gavin & Co, Oporto
155 bgs, J J Gavin & Co, Oporto

New York Transit Imports

AGAR—40 bls, Chemical Bank Trust Co, Kobe, San Francisco
ALTHEA ROOT—7 bls, American M O T, Porto, San Francisco
BONE MEAL—1,000 bgs, Balfour, Guthrie & Co, Tientsin, San Francisco
CASSIA ROLLS—50 bls, Jewett & Sherman, Hongkong, Milwaukee
100 bls, S L Jones & Co, Hongkong, San Francisco
CHEMICALS—75 cs, H H Rosenthal Co, Osaka, San Francisco
COCONUT, DESIC—500 cs, Philip Levy, Manila, Bridgeport
3,000 bgs, General Food Sales Corp, Manila, Bridgeport
600 cs, National Bank Trust Co, Manila, New Orleans
COTTON LINTERS—393 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
COTTONSEED MEAL — 2,000 bgs, West Texas Cotton Oil Co, Pisco, Houston
ERGOT—40 cs, Eli Lilly & Co, Oporto, Indianapolis
FISH LIVERS—83 tins, R J Roseling & Co, Kobe, San Francisco
MUSTARD SEED—168 bgs, Frank Tea & Spice Co, Tientsin, Cincinnati
NUTGALLS—561 bgs, J D Lewis, Hongkong, Providence
OIL, CASTOR—170 dms, Bahia, Toronto
CHINAWOOD—85 tons, Pacific Vegetable Oil Co, Hongkong, San Francisco
100 tons, Pacific Vegetable Oil Co, Hongkong, San Francisco
COCONUT—500 tons, Armour Soap Works, Tientsin, Chicago
500 tons, Durkee Famous Food, Tientsin, Chicago
COTTONSEED, EDIBLE—100 dms, West Texas Cottonoil Co, Santos, Houston
RAPESEED—383 bgs, Albert Dickinson Co, Buenos Aires, Chicago
VANILLA BEANS—19 cs, M Cortizas Co, Vera Cruz, Philadelphia
14 cs, Zink & Triest, Vera Cruz, Philadelphia
16 cs, M Cortizas Co, Vera Cruz, Philadelphia

Baltimore Imports

IRON ORE—10,909 tons, Bethlehem Steel Co, Rio Janeiro
MANGANESE ORE—1,800 tons, Rio Janeiro
1,750 tons, Calcutta
2,000 tons, Calcutta
PETROLEUM, CRUDE—61,632 bbls, Standard Oil Co, N J, Las Piedras

Boston Imports

CASSIA ROLLS—50 bls, Stickney & Poor Spice Co, Hongkong
COCOA BEANS—300 bgs, W R Grace & Co, Guayaquil
250 bgs, Guayaquil
500 bgs, W R Grace & Co, Guayaquil
500 bgs, Guayaquil
1,500 bgs, W R Grace & Co, Guayaquil
500 bgs, Guayaquil
SHELLAC—105 bgs, E E Androvette, Calcutta
15 cs, E E Androvette, Calcutta
QUEBRACHO EXTRACT—8,068 bgs, American Tanners, Ltd, Buenos Aires
4,200 bgs, American Tanners, Ltd, Buenos Aires
4,042 bgs, American Tanners, Ltd, Buenos Aires

New Orleans Imports

COCOA BEANS—206 tons, Bocas del Toro
COCONUTS—14 tons, Belize
GUM, CHICLE—45 tons, Belize
19 tons, Puerto Barrios

Norfolk Imports

BLOOD, DR—983 bgs, Wessel, Duval & Co, Buenos Aires
1,963 bgs, Ashcraft, Wilkinson & Co, Buenos Aires
2,032 bgs, Tupman-Thurlow Co, Buenos Aires
2,000 bgs, Wessel, Duval & Co, Buenos Aires
BONES—519 bgs, Hufleigh & Co, Buenos Aires
1,149 bgs, Chemical Product Corp, Buenos Aires
GREAVES—394 cakes, Weaver & Hugi, Buenos Aires
2 bgs, Weaver & Hugi, Buenos Aires
QUEBRACHO EXTRACT—2,121 bgs, Tannin Corp, Buenos Aires
2,152 bgs, Tannin Corp, Buenos Aires
3,300 bgs, International Product Corp, Buenos Aires
2,240 bgs, Tannin Corp, Buenos Aires
3,960 bgs, Tannin Corp, Buenos Aires
1,457 bgs, Tannin Corp, Buenos Aires
TANKAGE—1,102 bgs, Wessel, Duval & Co, Buenos Aires
2,000 bgs, Ashcraft, Wilkinson Co, Buenos Aires
1,000 bgs, J C Jett, Buenos Aires
2,240 bgs, Tupman-Thurlow Co, Buenos Aires
4,000 bgs, Ashcraft, Wilkinson Co, Buenos Aires

Philadelphia Imports

CHROME ORE—6,500 tons, Freetown
7,500 tons, Dirinje (Turkey)
4,000 tons, Pastelillo
4,000 tons, Masinloc
kilos, Philadelphia National Bank,
MANGANESE DIOXIDE ORE — 1,116,000 Tjilatjap
MOLASSES—1,377,416 gls, Publicker Alcohol Corp, Antilla
1,785,021 gls, Publicker Alcohol Corp, Cieba Hueca & Cienfugos
OIL, FUEL—60,000 bbls, Socony Vacuum Trans Co, Aruba
PETROLEUM, CRUDE—66,000 bbls, Atlantic Refining Co, Las Piedras
77,604 bbls, Gulf Oil Corp, Las Piedras
76,000 bbls, Sinclair Navigation Co, Tuxpam
76,000 bbls, Sinclair Navigation Co, Tuxpam
SHELLAC—425 bgs, E E Androvette, Calcutta
TAPIOCA FLOUR—100 bgs, Philadelphia National Bank, Cheribon
520 bgs, Cheribon
1,337 bgs, Balfour, Guthrie & Co, Pamamoekan
547 bgs, National City Bank of New York, Sourabaya
500 bgs, Brown Brothers Harriman
1,275 bgs, Irving Trust Co, Cheribon

U. S. Exports

New Orleans Exports

ACID, STEARIC—76 tons, Havana
ASPHALT—43 tons, West Coast South America
BRAN, SHRIMP—20 tons, Cristobal
COTTONSEED MEAL—27 tons, Havana
FIRECLAY—12 tons, Havana
GASOLINE—34 tons, Puerto Barrios; 55 tons, Bluefields; 83 tons, Celba
KEROSENE—31 tons, Puerto Barrios; 27 tons, Bluefields
LARD—36 tons, Havana; 89 tons, Puerto Limon; 43 tons, Cristobal
LIME, HYDRATED—272 tons, Puerto Barrios
OIL, DIESEL—85 tons, Celba; 71 tons, Puerto Cabezas
FUEL—36 tons, Bluefields; 273 tons, Celba
LUBRICANT—81 tons, Vera Cruz
LUBRICATING—38 tons, Puerto Barrios; 38 tons, Havana
PINE—13 tons, West Coast South America
PARAFFIN—15 tons, Havana; 140 tons, Vera Cruz

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U.S.P. Convention Finances

—Continued from page 5

Income and Expense

Income

Sale of pharmacopeias:—			
Collections		$20,989.82	
Less: Decrease in accounts receivable:—			
April 15, 1940	$2,743.92		
April 30, 1941	2,349.31	394.61	
			$20,595.21
Sale of reference standards, A.M.A. articles, etc.:—			
Collections		$4,718.62	
Collections pending remittance to the treasurer		288.75	
		$5,007.37	
Less: Decrease in accounts receivable:—			
April 15, 1940	$376.58		
April 30, 1941	270.46	106.12	
			4,901.25
Interest on investments:—			
Collections		1,310.15	
Adjustment of accrued interest		62.61	
		$1,372.76	
Less: Amortization of bond premiums		273.02	
			1,299.74
Use of U. S. Pharmacopeia text by others			40.00
Miscellaneous income			363.25
Total income			$27,199.45

Expense

Cost of publications sold		$4,114.83	
Publication and sales expense:—			
Add: Decrease in inventory:—			
April 15, 1940	$12,635.45		
April 30, 1941	5,056.86	7,578.59	
		$11,693.42	
Administration		3,580.53	
Convention		2,293.35	
Revision		29,458.85	
Research		6,152.42	
Expenditures from petty cash fund pending reimbursement from the general account		833.28	
		$54,011.85	
Less: Furnishings and equipment capitalized (at 75 percent of cost)	$233.36		
Stationery and supplies inventory adjustment	66.83	300.19	
			53,711.66

Excess of Expense Over Income

For the period from April 15, 1940, to April 30, 1941	$26,512.21

Cash Receipts and Disbursements

Cash on deposit, April 15, 1940	$15,770.31

Receipts

Sale of pharmacopeias	$20,989.82	
Sale of reference standards, A.M.A. articles, etc	4,718.62	
Interest on investments	1,510.15	
Use of U. S. Pharmacopeia text by others	40.00	
Miscellaneous income	363.25	
Loans:—Bank	10,000.00	
Petty cash fund	550.00	
		38,171.84
		$53,942.15

Disbursements

	Publication and sales.	Administration.	Convention.	Revision.	Research.	Total.
Printing	$948.70	....	$332.64	....	....	$1,281.34
Binding	2,591.38	....	....	....	....	2,591.38
General	574.75	$315.98	286.29	$3,655.12	$34.26	4,866.40
Clerical	....	889.60	803.89	7,626.48	157.85	9,477.82
Meetings	....	902.20	....	7,970.75	1,107.92	9,980.87
Supplies	....	199.11	172.84	2,505.29	1,022.91	3,900.15
Postage and telegrams	....	136.14	57.81	1,151.21	33.75	1,378.91
Honoraria and salaries	....	1,137.50	....	6,550.00	....	7,687.50
Exhibits	....	....	639.88	....	....	639.88
Compensation	....	....	....	....	3,470.37	3,470.37
Materials	....	....	....	....	325.36	325.36
Totals	$4,114.83	$3,580.53	$2,293.35	$29,458.85	$6,152.42	$45,599.98
Repayment of loan from petty cash fund						550.00
						46,149.98
Cash on deposit, April 30, 1941						$7,792.17

Detailed Revision Expenses

Revision—Meetings

General committee conference (1941)	$4,334.32
Subcommittee on scope conference (1941)	1,611.26
Retiring executive committee meeting (May, 1940)	703.10
Traveling, hotel, and incidental expenses of the general revision chairman, for conferences with subcommittee chairmen, subcommittee groups, food and drug officials, and others assisting in the revision	601.53
Preconvention meeting, May, 1940	596.29
Advisory boards, including clerical help	124.25
Total	$7,970.75

Revision—Clerical

Stenographic and clerical assistance, chairman's office	$7,626.48

Revision—Supplies

Stationery for the general chairman and for all members of the committee of revision	$265.71
Binders for all official circulars and correspondence	503.93
Mimeograph supplies (paper for circulars, stencils, ink and maintenance)	887.41
Secretarial and other revision supplies	592.56
Typewriters	255.68
Total	$2,505.29

Revision—Postage and Wires

Postage, express telephone and telegraph service, chairman's office	$1,151.21

Revision—General Expenses

Translating the "Pharmacopoeia and Physician" series into Spanish	$266.95
Spanish abstract of second U.S.P. XI supplement	158.19
Printing and binding 1,011 copies of first series of "Pharmacopoeia and Physician" articles in Spanish	833.68
Contribution to the A.Ph.A. toward an abstract of pharmacopeial literature	1,000.00
U.S.P. exhibit at the A.M.A. convention, 1940	66.25
Extending U.S.P. information by exhibits (other than A.M.A.) by publishing 2,000 sets of A.M.A. reprints of the second "Pharmacopoeia and Physician" series	841.00
Dues for membership in National Council on Pharmaceutical Research	25.00
Dues for Inter-Society Color conference	25.00
Miscellaneous expenses	438.15
Total	$3,655.12

Revision—Honoraria and Salaries

Revision Chairman Cook	$4,175.00
Executive assistant to chairman, Adley B. Nichols	2,100.00
Walter A. Bastedo (as acting chairman of subcommittee on scope, 1937-1940)	250.00
Honoraria to author of article in "Pharmacopoeia and Physicician" series (for clerical and stenographic assistance)	25.00
Total	$6,550.00

Research

All expenses of subcommittee and advisory board activity, incurred in the routine of preparing U.S.P. XII texts are charged as research; this covers meetings, supplies, postage, clerical and general assistance, and (for individuals named) technical assistance.

Subcommittee—	
3—Biological assays	$5.00
5—Botany and pharmacognosy	15.60
6—Proximate assays	68.16
E. E. Hartmann*	250.00
7—Inorganic chemicals	281.14
Dr. F. K. Bell†	1,558.37
8—Organic chemicals	813.68
Mrs. F. F. Johnson and Miss Elinor Sackter‡	1,300.00
9—Reagents, test solutions, and tables	23.60
Harold Urist§	87.00
10—Volatile oils	5.00
Hormone advisory board	420.65
Sterile products advisory board	232.42
Antianemia advisory board	28.50
Blood and blood substitutes advisory board	64.50
Digitalis preservation study	59.35
Dr. Donald P. LeGalley‖	40.00
Posterior pituitary assay	196.19
Ergot assay	25.29
Codliver oil reference standard assay	170.39
Dr. O. L. Kline¶	35.00
Suture absorbency test	225.00
Miscellaneous	47.58
Total	$6,152.42

* Assistant to Chairman Jordan in revising proximate assays.
† Assistant to Chairman Krantz in checking tests and assays of inorganic chemicals. New heavy metals tests have been developed and tried on all inorganic as well as organic chemicals.
‡ Assistants for Chairman Beal. Miss Sackter replacing Miss Johnson when the latter resigned. Assigned to check tests and assays and develop new monographs for organic chemicals at Dr. Beal's personal direction. Most of the new admissions to the pharmacopeia fall to this subcommittee.
§ Assistant to Chairman Jenkins in checking new molecular weights.
‖ Assistant in the study of problems relating to the preservation of digitalis.
¶ Assistant for compilation of reference codliver oil standardization data for publication.

ROSIN—75 tons, Cristobal; 12 tons, Barranquilla; 14 tons, Cristobal
SALT—39 tons, Bluefields; 113 tons, Havana; 8 tons, Vera Cruz
SUPERPHOSPHATE—250 tons, Celba
TURPENTINE—36 tons, West Coast South America

Philadelphia Exports

ACID, STEARIC—20 bgs, Batavia
ALUMINA SULPHATE—2,204 bgs, Montevideo
CALCIUM FERROCYANIDE — 22 dms, Montevideo
GREASE—4 pkgs, Singapore
OIL, LUBRICATING—27 dms, Penang; 100 dms, Singapore; 146 bbls. Batavia; 213 pkgs, Port Swettenham; 171 pkgs, Penang; 1,300 bbls, Singapore; 382 dms & 298 cs, Pernambuco; 1,910 cs & 280 dms, Pernambuco
RESIN, SYNTH—5 dms, Batavia

Coastwise Trade

Los Angeles Coast Trade

GASOLINE—16,533 bbls, San Diego; 3,438 bbls, San Diego; 3,871 bbls, San Diego; 2,198 bbls, San Diego; 59,735 bbls, Seattle; 6,929 bbls, Seattle; 10,732 bbls, Seattle; 19,293 bbls, Seattle; 75,108 bbls, Seattle; 18,234 bbls, Oleum; 10,780 bbls, San Diego; 71,554 bbls, Portland; 40,372 bbls, Seattle; 1,243 bbls, San Diego; 4,026 bbls, San Diego; 2,900 bbls, San Diego; 56,879 bbls, San Francisco
OIL, DIESEL—2,192 bbls, San Diego; 13,471 bbls, Seattle; 5,687 bbls, Seattle; 8,794 bbls, Portland; 11,278 bbls, Seattle
FUEL—9,069 bbls, San Diego; 63,514 bbls, Avon; 66,310 bbls, Seattle; 63,289 bbls, Portland; 2,323 bbls, Portland; 7,758 bbls, Seattle; 65,035 bbls, Avon; 19,888 bbls, Portland
FURNACE—2,674 bbls, Seattle
PETROLEUM, CRUDE—31,292 bbls, Oleum

A. A. Chemical Company is the firm name under which Charles C. Apablasa has obtained a certificate to conduct business at 24152 East Slauson avenue, Los Angeles, Calif.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations includes the following:—

Lard.—Dominican Republic has approved a bill requiring import permits for all types of edible lard. Under this law the Secretary of the Treasury will each month fix a maximum quantity of lard to be imported during the following month and will divide this quantity in equal parts among merchants requesting import permits.

Sulphur:—Japan has applied distribution control of sulphur. No sales will be permitted unless a customer has obtained an "allotment certificate" from the Japan Sulphur Control Association.

Burma Trade Duties Suspended by Roosevelt

To help expedite the flow of war materials into China over the Burma Road, President Roosevelt last week suspended "foreign, discriminating duties of tonnage and imposts within the United States" with respect to vessels of Burma and their cargoes. The suspension is retroactive to June 10 and will continue so long as reciprocal exemption is granted United States vessels and their cargoes.

G. H. Eggers, formerly vice-president in charge of sales for the Jefferson Island Salt Company, has joined the Harold H. Clapp, Inc., Rochester.

Pepsi-Cola, Loft Merged

Dover, Del., June 30, 1941

Merger of Pepsi-Cola and Loft, Inc., became effective today with filing of the agreement in the office of the secretary of state. The merger was voted by stockholders of the two companies May 29.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

CHEMICAL SALES agent with New York headquarters and substantial warehouse facilities seeks additional lines of pharmaceuticals and chemicals or substitutes; A-1 manufacturers only. BOX 280, Oil, Paint and Drug Reporter.

Equipment Offered

AUTOMATIC and semi-automatic filling equipment wanted for packaging of lye. Preferably Pneumatic or Stokes-Smith. Must be in good condition. Automatic equipment for packaging powder in various sizes. Complete unit with labeler. Full particulars. BOX 264, Oil, Paint and Drug Reporter.

WANTED TO BUY one or two 350-500 gallon steel autoclaves suitable to operate at pressure of 200 lbs. per sq. in. Autoclave to be steam jacketed for 100 lbs. per sq. in. steam pressure. Does not need agitator. Submit offers with price and location to BOX 270, Oil, Paint and Drug Reporter.

FOR SALE—Two 1,000-gallon rect. varnish or oil storage tanks, located Brooklyn; one 12x30-in. Ross 3-roll mill; Day 40-gallon pony mixer; several copper kettles. BOX 275, Oil, Paint and Drug Reporter.

FOR SALE—Absorption tower packings consisting of the following terra cotta items:—2,700 3¾-in. diameter spherical balls, 15,000 3¾-in. diameter x 4-in. long tubes, 700 5½-in. diameter x 4½-in. long tubes, 150 7-in. diameter x 5-in. long tubes, 42,000 1-in. diameter x 1-in. long tubes. Complete specifications on request to Ansbacher-Siegle Corporation, Rosebank, Staten Island, New York.

FOR IMMEDIATE delivery:—Devine laboratory vacuum dryer; W & P 9-gallon mixers; Patterson 30-gallon porcelain-lined pebble mill, Abbe double and quadruple jar mills; Colton No. 2 tube filler and closer; Sperry & Shriver 12 and 18-in. closed delivery filter presses; 50 to 600-lb. sifters and mixers. Send us your inquiries. What have you for sale? Machinery & Equipment Corp., 59 East Fourth street, New York City.

FOR SALE—Two 6x8-ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Offered

FOR SALE:—Three 12-in. x 32-in. Day 5-roller mills, motor driven; pony mixers, 8 to 40 gals.; three Kent 8-in. lab., and five Ross 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700-gal. jacketed mixer; thirty filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers, Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

FOR IMMEDIATE shipment:—Two W. & P. jack. mixers, 150 gals.; pebble mills, 7x5 ft., 4x5 ft., 4½x3½ ft., etc.; jar mills, from 1 to 15 gal.; 2-truck atmos. dryer; Stokes 2½x8-ft. rotary dryer; 3x8-ft. rotary steam tube dryer; Bartlett & Snow vert. dryer, 5 ft. dia.; vacuum shelf dryers; Sharples No. 6 super centrifuge; DeLaval No. 700 centrifuge; American 26-in. solid curb, underdriven centrifugal; paste mixers; powder mixers, 2,000 to 3,500 lbs. and 50 to 1,000 lbs.; rotex sifters; five filter presses, 32-in. sq., also 12-in. to 48-in. sq.; Nos. 7 and 10 Sweetland filters; 12x30 and 16x40-inch 3-roll mills; Raymond mills No. 00, 0 and 1; jack. agit. vac. stills; kettles and tanks; vacuum pumps, crushers and pulverizers, centrifugals, tablet machines, disc filters, iron mills; portable agitators; rotary and centrifugal pumps; powder and paste fillers; bottle fillers and washers. Only partial listing. Write for liquidation bulletin L-18, chemical bulletin No. 138, and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Wanted

USED POLARIMETER, must be first class; state make, serial number and price. BOX 278, Oil, Paint and Drug Reporter.

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 282, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, one story, 6,000 sq. ft., 20-foot headroom, concrete floor with drains, live steam available; unrestricted district in Brooklyn; low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Factories Offered

FOR SALE to settle estate. Paint factory with machinery. Brick mill construction, sprinkler system, elevators. In industrial section of Brooklyn, N. Y. Approximately 57,000 sq. ft. suitable for other purposes. Communicate with Charles J. Seidler, Attorney, 50 East 42nd street, New York City MUrray Hill 2-4669.

Materials Offered

BELLADONNA ROOT, leaves and flower, highly conc.; henbane and other botanicals available. What is your offer? BOX 279, Oil, Paint and Drug Reporter.

FOR SALE—200 bags seedlac bysackie from warehouse New York. BOX 283, Oil, Paint and Drug Reporter.

CRESYLIC ACID, 98/100% pale, imported material. Write for information. BOX 284, Oil, Paint and Drug Reporter.

Materials Wanted

LYCOPODIUM SUBSTITUTE, base material starch or similar product, for commercial purposes wanted; substitute must have yellow color and look like genuine lycopodium. Offers with samples. BOX 276, Oil, Paint and Drug Reporter.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

PAINT RESEARCH chemist wanted, preferably one experienced in formulation of water paints, both paste and powder. An excellent opportunity for successful applicant. In reply, state age, qualifications and experience. BOX 257, Oil, Paint and Drug Reporter.

Positions Wanted

SALESMAN—Experienced selling colors, fillers, etc., throughout New England covering paint, rubber, paper mills, is available August first. BOX 267, Oil, Paint and Drug Reporter.

SYNTHETIC and lacquer chemist with fifteen years' experience desires position with reliable company. At present in charge of plant taking care of research and manufacturing. Will consider only executive position. BOX 263, Oil, Paint and Drug Reporter.

ORGANIC and analytical chemist. Ph.D. (organic), 1934. Five years' pharmaceutical experience. Control, assay development, label, pamphlet and drug citation work. Laboratory and pilot plant organic research. Married. Age 30. BOX 266, Oil, Paint and Drug Reporter.

MANUFACTURER'S SUDDEN death necessitates placing bookkeeper-secretary, competent young lady of executive ability. Knows drug trade. Salary secondary. BOX 277, Oil, Paint and Drug Reporter.

Processes Wanted

WANTED TO BUY process for recovery of by-product hydrochloric acid from organic chlorinations allowing the recovery in form of standard quality muriatic acid. Submit offers to BOX 271, Oil, Paint and Drug Reporter.

Services Offered

RUM TECHNOLOGIST—Consultant for improvement in plant capacity, yields, and quality of products through special manufacturing methods. Creation of special rum types, including the famous Jamaican. Six years of intensive continuous research in rum manufacture. Rafael Arroyo, Ch. E. & S. E., P. O. Box 136, Rio Piedras, Puerto Rico.

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological records of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

WASTE MATERIALS, by-products, residues of chemicals, solvents, waxes, gums, greases and oils. We pay best cash prices. Please write immediately. BOX 281, Oil, Paint and Drug Reporter.

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NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND
PROCESS INDUSTRIES
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MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Price Ceilings Attacked By Congressional Bloc

—Continued from page 3

creases in prices and consumers should not associate these speculatively high prices with returns to farmers. It is the speculator who has been walking away with the loot.

Prefacing his remarks with the statement that "the honeymoon is over," Mr. Henderson said that the program of voluntary cooperation between industry and governmental officials interested in preventing a disastrous upward price spiral had proved adequate and satisfactory up to the end of February. Since that time, he explained, there have been numerous factors which have contributed to the steadily rising wholesale price index and the resultant rise in the cost of living. Some of these, he said, have been the increased labor costs, starting in the basic industries, which had a sympathetic effect upon all industry and the raise in the government loan rate on basic farm commodities.

In spite of any congressional criticism, Mr. Henderson said that he intended to "continue business as usual." He explained that his organization is directly responsible to the President, but said that any determination that Congress might make as to the maximum prices for any commodity would be considered binding upon him and he would use all of his administrative power to enforce any such determination.

OPACS Policies

Specific policies which have been adopted sufficiently clearly to be stated, in order to carry out the objectives of his organization, were outlined by Mr. Henderson as follows:—

1. Wherever possible, the voluntary cooperation of business men shall be enlisted in the task of preventing price advances.

2. No price advance shall be prevented when it is contributing to our prime objective of increasing production and is not, at the same time, working against our other objectives in any significant fashion.

3. A full and complete explanation of our reasons for every step in price administration shall be given both to those concerned directly and to the general public.

4. Whenever our attention is called to a particular commodity, we shall bring the fact that we are concerned about it to the attention of the industry.

5. We shall always provide freely for a modification of decisions if new facts are brought to our attention or if conditions change.

6. Once decisions have been made we shall utilize every means within our power to see that they are carried out.

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8—2,000 lbs., 1,200 lbs., 800 lbs. Dry Powder Mixers.
2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other smaller sizes.
1—Oates 10 ft. copper Calandria Pan; other Vacuum Pans 50 to 500 gals.
12—Ball Mills, 10 gals. to 500 gals.
7—3-Roll Roller Mills, up to 16 by 40.
1—W. & P. Vacuum Mixer, 100 gals; other W. & P. 2 gals. to 2,000 gals.

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Toledo Sugar Plant
Toledo, Ohio

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Fertilizer Materials

—Continued from page 61

San Francisco—July 3

Trade is generally rather light. Some products are scarce and tightly held, such as bone, blood and spot fish meal.

SULPHATE OF AMMONIA.—$38 per ton.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk, $27.

SUPERPHOSPHATE.—83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

FISH MEAL.—Futures, $69 per ton for 67 percent protein material, f.o.b. San Francisco Bay points. Monterey, 65 percent protein, $68.50.

BLOOD MEAL.—$3.60 to $3.65 per unit, f.o.b. cars, San Francisco. $3.30, Los Angeles.

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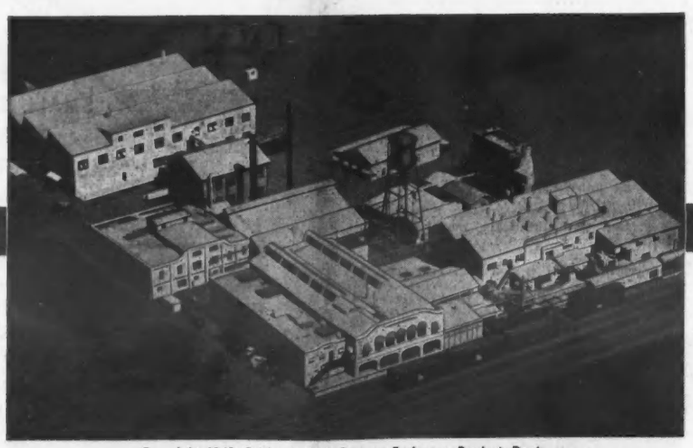

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